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CATALOG NO 47

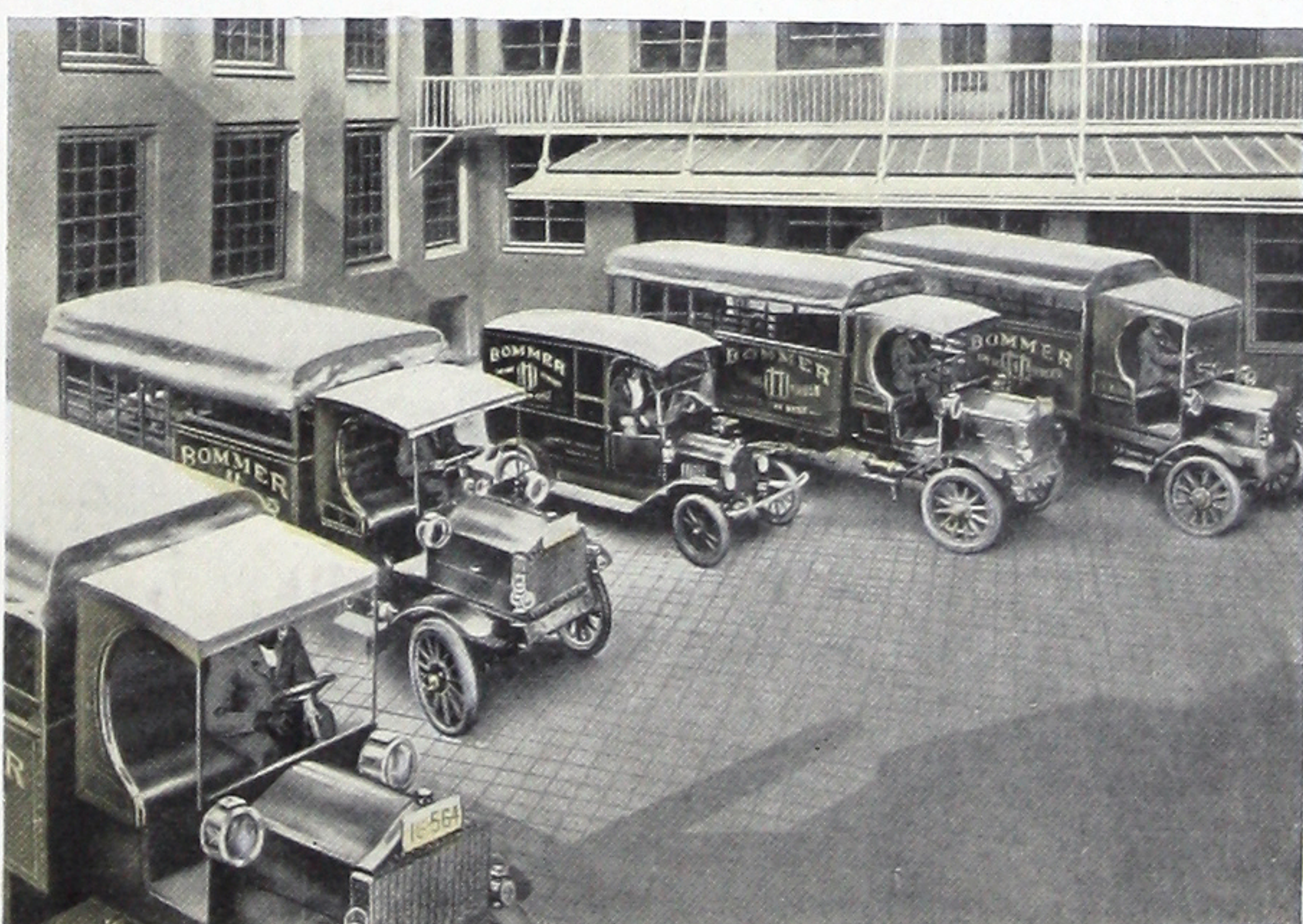
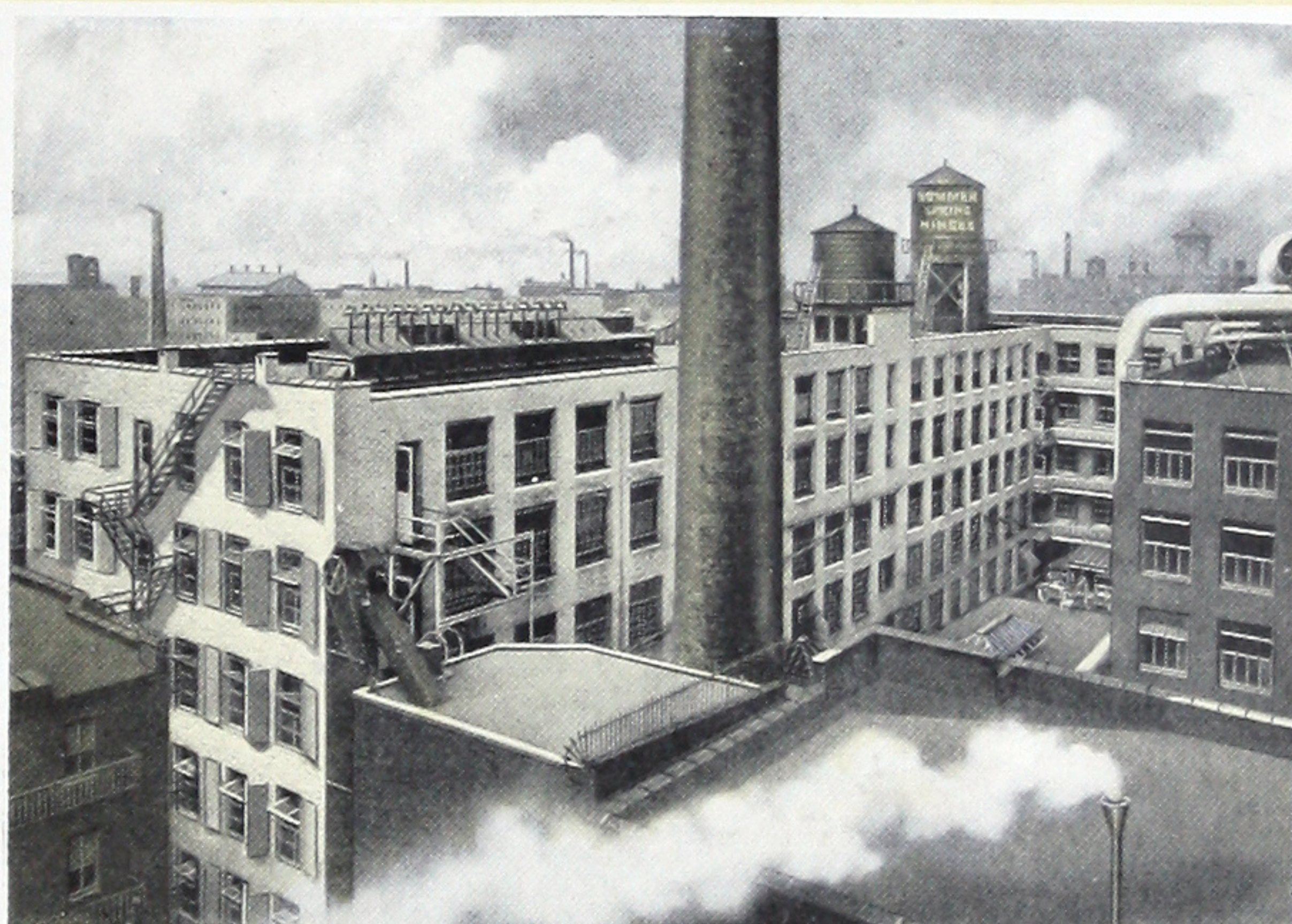
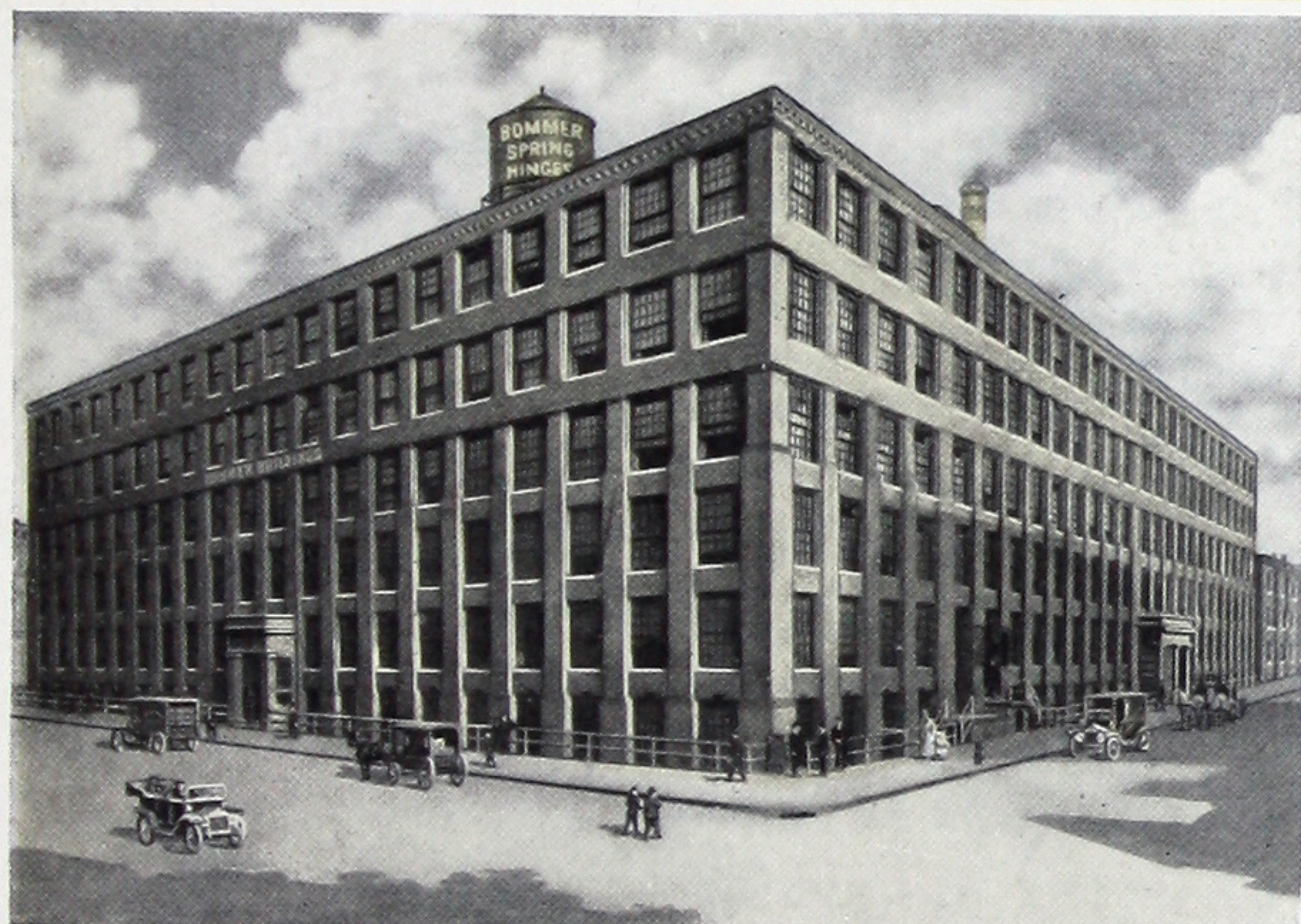


CATALOG NO 47

Bommer Spring Hinges are the best



Highest Awards at International Expositions



Bommer Spring Hinge Company

Office and Works:

251-271 Classon Avenue, Brooklyn, N. Y., U. S. A.

Established in 1876

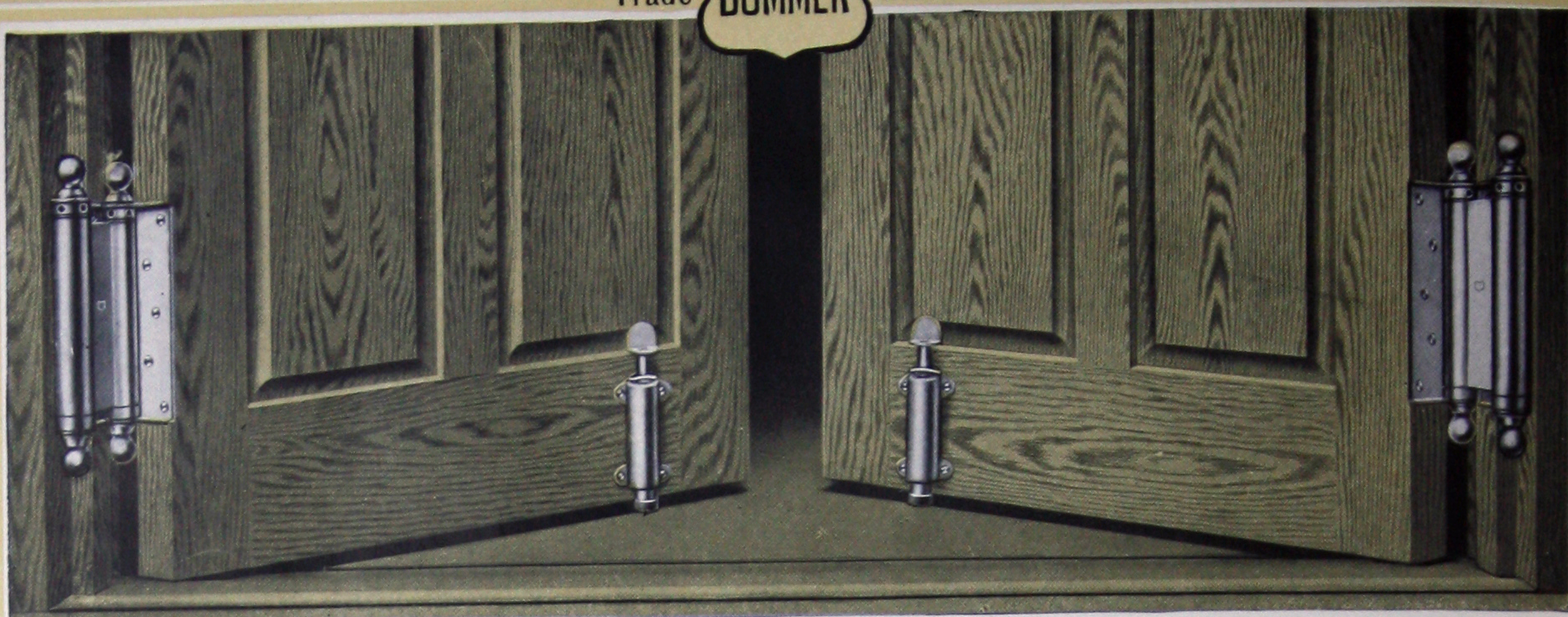
Catalog

No. 47

Trade



Mark



Established 1876

Bommer Spring Hinges

Are the Standard Goods in Their Line

EXPERIENCE has demonstrated that Bommer Spring Butt Hinges are the most useful and satisfactory spring hinges for general use. They permit the door to be opened all the way and to be fastened back to the wall if suitably hung.

The pintle and flange are interlocked, which prevents the ball-tips from working loose.

They are characterized by superb finish and great durability and will wear a lifetime if the proper size hinge is selected.

The carpenter saves time and avoids guesswork when hanging double-acting doors on Bommer Spring Hinges because the raised edges of the flanges serve to indicate the depth of the mortise and because they have a door-aligning mark on the upper and lower edges of each flange.

The flanges of Bommer Single Action Spring Butt Hinges are flush-faced, without projecting top and bottom edges, giving a neater finish to the mortise.

Bommer Spring Butt Hinges are made of wrought steel, bronze or brass in all finishes.

They have two different metals opposed at each bearing to reduce friction and will not permit the door to sag if hinges of adequate size, as pointed out on pages 5, 7, 9 and 11, are used. In Bommer Double Action Spring Butt Hinges the connecting plate of the barrels is exceptionally strong and of uniform thickness.

The springs are of large diameter and unusual length, made of the best oil-tempered steel wire, have great resilience and power and never go lame.

Every hinge is guaranteed against defects in material and workmanship. All parts are interchangeable; duplicate parts can be furnished promptly from stock.

The other types of Bommer Spring Hinges and Pivots described and illustrated in this catalog are, in their respective class, unsurpassed in quality, finish and efficiency.

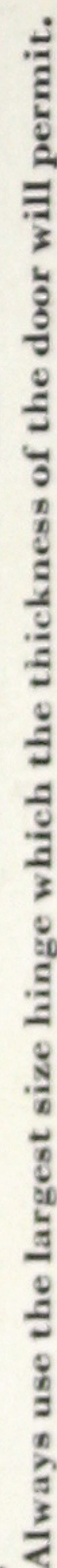
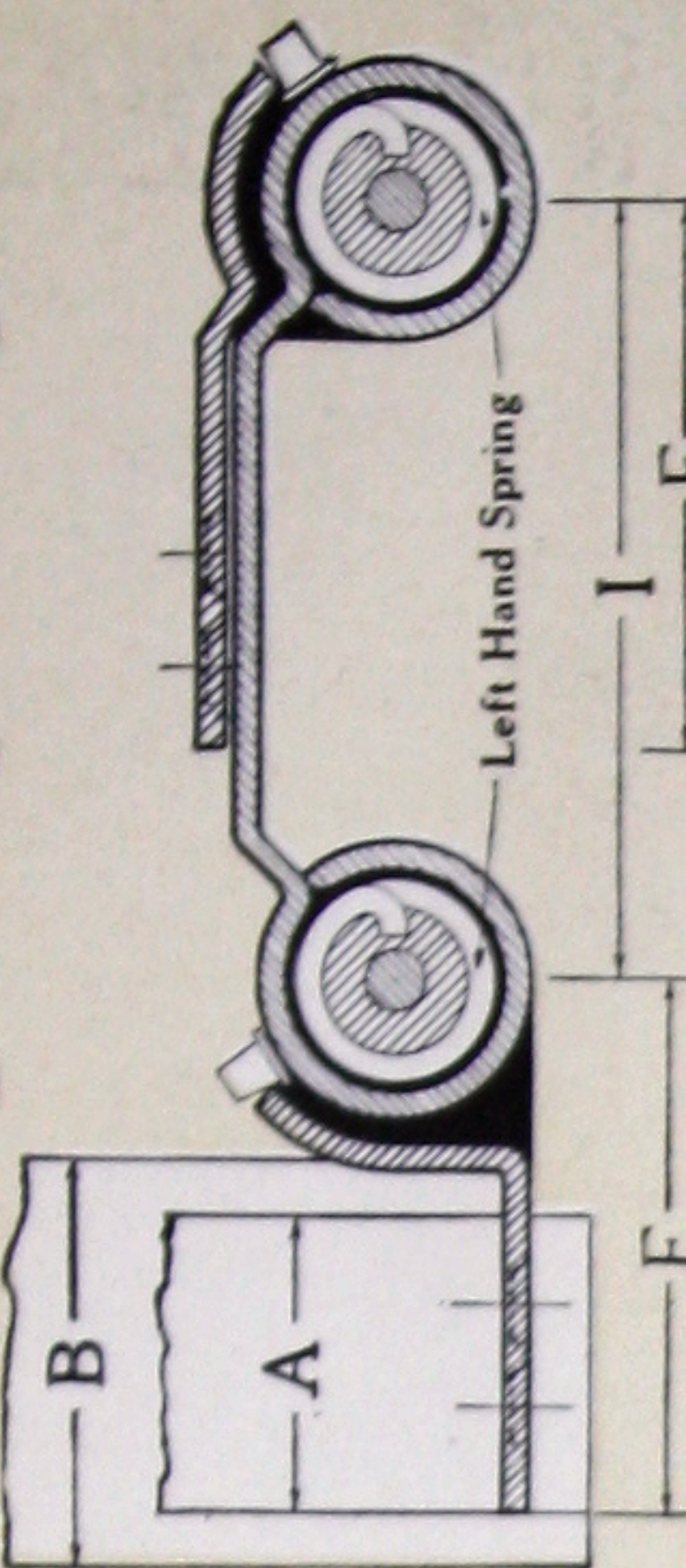
Our facilities for manufacturing and prompt shipment are unrivalled; we are located near all railroad and steamship lines.

The superiority of Bommer Spring Hinges is officially attested by consensus of expert opinion the world over through numerous international awards of competent juries over all competitors—*Bommer Spring Hinges are the best.*

Every genuine Bommer Spring Hinge
is stamped with this



Bommer Ever Ready Spring Hinges



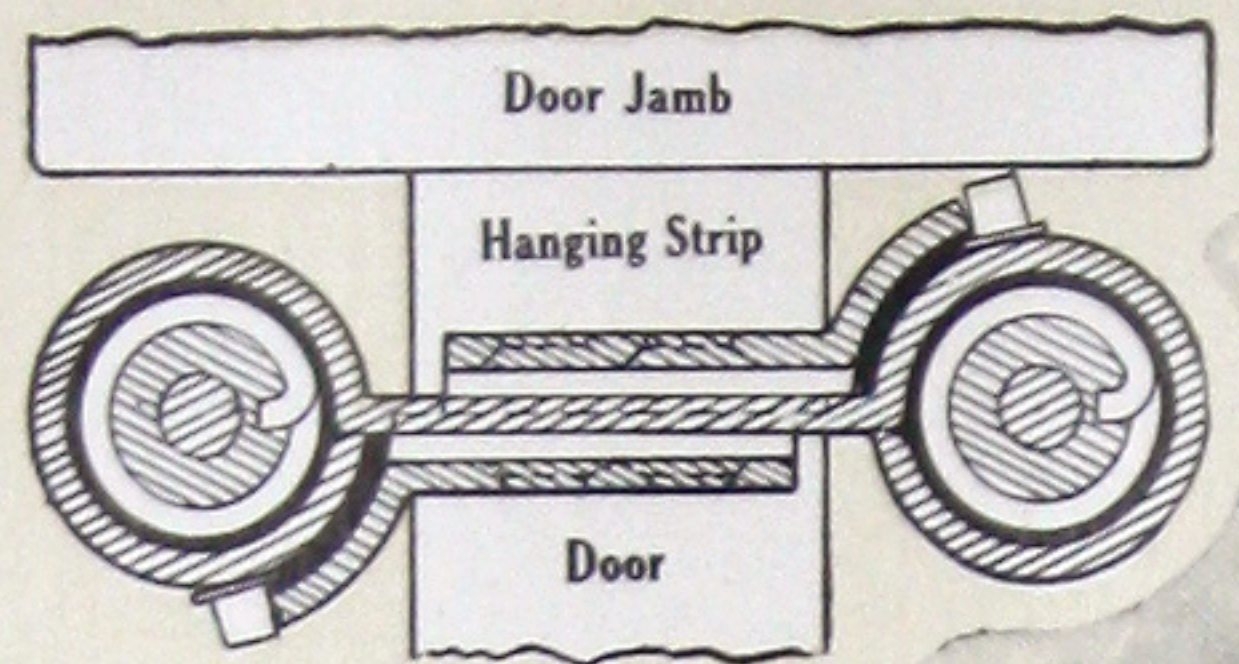
DIMENSIONS OF SINGLE ACTION										DIMENSIONS OF DOUBLE ACTION															
SIZE OF HINGE		A		B		C		D		E		F		G		H		I		K		L		M	
3"	3"	3/4"	1"	3"	4 3/8"	1 1/2"	3"	4 3/8"	1 1/2"	3"	4 3/8"	1 1/2"	3"	4 3/8"	1 1/2"	3"	4 3/8"	1 1/2"	3"	4 3/8"	1 1/2"	3"	4 3/8"	1 1/2"	3"
4"	4"	7/8"	1 1/4"	4"	5 9/16"	2 1/8"	4"	5 9/16"	2 1/8"	4"	5 9/16"	2 1/8"	4"	5 9/16"	2 1/8"	4"	5 9/16"	2 1/8"	4"	5 9/16"	2 1/8"	4"	5 9/16"	2 1/8"	4"
5"	5"	1 1/8"	1 1/2"	5"	6 3/16"	2 3/8"	5"	6 3/16"	2 3/8"	5"	6 3/16"	2 3/8"	5"	6 3/16"	2 3/8"	5"	6 3/16"	2 3/8"	5"	6 3/16"	2 3/8"	5"	6 3/16"	2 3/8"	5"
6"	6"	1 1/4"	1 3/4"	6"	8 1/16"	2 7/8"	6"	8 1/16"	2 7/8"	6"	8 1/16"	2 7/8"	6"	8 1/16"	2 7/8"	6"	8 1/16"	2 7/8"	6"	8 1/16"	2 7/8"	6"	8 1/16"	2 7/8"	6"
7"	7"	1 3/8"	2"	7"	9 5/16"	3 1/8"	7"	9 5/16"	3 1/8"	7"	9 5/16"	3 1/8"	7"	9 5/16"	3 1/8"	7"	9 5/16"	3 1/8"	7"	9 5/16"	3 1/8"	7"	9 5/16"	3 1/8"	7"
8"	8"	1 1/2"	2 1/4"	8"	10 5/8"	3 5/8"	8"	10 5/8"	3 5/8"	8"	10 5/8"	3 5/8"	8"	10 5/8"	3 5/8"	8"	10 5/8"	3 5/8"	8"	10 5/8"	3 5/8"	8"	10 5/8"	3 5/8"	8"
10"	10"	1 3/4"	2 1/2"	10"	12 5/8"	4 1/8"	10"	12 5/8"	4 1/8"	10"	12 5/8"	4 1/8"	10"	12 5/8"	4 1/8"	10"	12 5/8"	4 1/8"	10"	12 5/8"	4 1/8"	10"	12 5/8"	4 1/8"	10"
12"	12"	2 1/4"	3"	12"	15 1/4"	4 1/2"	12"	15 1/4"	4 1/2"	12"	15 1/4"	4 1/2"	12"	15 1/4"	4 1/2"	12"	15 1/4"	4 1/2"	12"	15 1/4"	4 1/2"	12"	15 1/4"	4 1/2"	12"

When hinges larger than the above are required, use Bommer Spring Butt Hinges with a hanging strip.

When hinges larger than the above are required, use Bommer Spring Butt Hinges with a hanging strip.

Bommer Standard Spring Butt Hinges

Double Action, Three Leaf Type



In this double action spring hinge the barrels and their connecting-plate are integral and made of a thick, solid, strong plate of metal of full and even thickness throughout, formed into a contour giving great surplus strength.

The springs are of large diameter and unusual length, made of the best oil-tempered steel wire, have great resilience and power and never go lame.

"Bommer Spring Hinges are the best."

Every genuine Bommer Spring Hinge
is stamped with this



Bommer Standard Spring Butt Hinges

Double Action, Three Leaf Type, for closing doors automatically

Directions for selecting the proper size hinge and for ordering. (Compare also detailed measurements and diagram on page 3.)

For doors (minimum)	For doors (maximum)	Use hinges	Use hanging strip
$\frac{3}{4}$ " thick x 2' 2" wide	1" thick x 2' 0" wide	3 inch	$\frac{1}{2}$ inch
$\frac{7}{8}$ " thick x 2' 4" wide	$1\frac{1}{4}$ " thick x 2' 2" wide	4 inch	$\frac{5}{8}$ inch
$1\frac{1}{8}$ " thick x 2' 6" wide	$1\frac{1}{2}$ " thick x 2' 3" wide	5 inch	$\frac{5}{8}$ inch
$1\frac{1}{4}$ " thick x 2' 8" wide	$1\frac{3}{4}$ " thick x 2' 4" wide	6 inch	$\frac{3}{4}$ inch
$1\frac{3}{8}$ " thick x 2' 9" wide	2" thick x 2' 6" wide	7 inch	$\frac{7}{8}$ inch
$1\frac{1}{2}$ " thick x 2' 10" wide	$2\frac{1}{4}$ " thick x 2' 8" wide	8 inch	1 inch
$1\frac{3}{4}$ " thick x 3' 0" wide	$2\frac{1}{2}$ " thick x 2' 10" wide	10 inch	$1\frac{1}{8}$ inch
$2\frac{1}{4}$ " thick x 3' 2" wide	3" thick x 3' 0" wide	12 inch	$1\frac{1}{4}$ inch

Above directions apply to doors made of white pine or other soft wood. For hard-wood doors, plate-glass doors, metal-covered doors, doors having heavy hardware or heavy kick-plates or doors exposed to strong drafts, always use the largest size hinge which the thickness of the door will permit; also take note that wide doors always require larger size hinges than narrow doors.

To avoid errors, order by number and state when ordering which finish is wanted. If the finish desired is not mentioned in the order, the first finish at head of column will be furnished. When ordering hinges with special finish to match other hardware, send sample with order.

Planished Steel

Thickness of door: (also note directions above)	Length of flanges	Japanned dead black		Bronze plated or Brass plated (state which)		Antique copper or Statuary finish (state which)		Dull brass or Antique brass (state which)		Nickel plated	
		No.	Per pair	No.	Per pair	No.	Per pair	No.	Per pair	No.	Per pair
$\frac{3}{4}$ to 1 in.	3 inches	29	\$ 5.10	479	\$ 6.90	329	\$ 6.90	629	\$ 6.90	879	\$ 9.20
$\frac{7}{8}$ to $1\frac{1}{4}$ in.	4 inches	30	6.10	480	8.30	330	8.30	630	8.30	880	11.00
$1\frac{1}{8}$ to $1\frac{1}{2}$ in.	5 inches	33	7.20	483	9.70	333	9.70	633	9.70	883	13.20
$1\frac{1}{4}$ to $1\frac{3}{4}$ in.	6 inches	36	8.90	486	12.40	336	12.40	636	12.40	886	16.00
$1\frac{3}{8}$ to 2 in.	7 inches	39	11.40	489	16.00	339	16.00	639	16.00	889	20.50
$1\frac{1}{2}$ to $2\frac{1}{4}$ in.	8 inches	42	16.50	492	22.80	342	22.80	642	22.80	892	28.30
$1\frac{3}{4}$ to $2\frac{1}{2}$ in.	10 inches	45	22.80	495	31.40	345	31.40	645	31.40	895	38.70
$2\frac{1}{4}$ to 3 in.	12 inches	48	30.40	498	41.80	348	41.80	648	41.80	898	50.00
For office gates $1\frac{1}{4}$ to $2\frac{1}{2}$ inches thick, $2\frac{1}{2}$ feet wide, with handrail not over $3\frac{1}{4}$ inches.											
$1\frac{1}{4}$ to $2\frac{1}{2}$ in.	6 inches	38	\$11.40	488	\$16.00	338	\$16.00	638	\$16.00	888	\$20.50

Bronze or Brass

Thickness of door: (also note directions above)	Length of flanges	Highly polished Bronze		Highly polished Brass		Antique copper or Statuary finish (state which)		Dull brass or Antique brass (state which)		Nickel plated	
		No.	Per pair	No.	Per pair	No.	Per pair	No.	Per pair	No.	Per pair
$\frac{3}{4}$ to 1 in.	3 inches	129	\$18.30	129A	\$18.30	429	\$20.30	729	\$20.30	829	\$20.30
$\frac{7}{8}$ to $1\frac{1}{4}$ in.	4 inches	130	20.80	130A	20.80	430	23.30	730	23.30	830	23.30
$1\frac{1}{8}$ to $1\frac{1}{2}$ in.	5 inches	133	25.60	133A	25.60	433	28.20	733	28.20	833	28.20
$1\frac{1}{4}$ to $1\frac{3}{4}$ in.	6 inches	136	31.70	136A	31.70	436	34.70	736	34.70	836	34.70
$1\frac{3}{8}$ to 2 in.	7 inches	139	40.30	139A	40.30	439	44.30	739	44.30	839	44.30
$1\frac{1}{2}$ to $2\frac{1}{4}$ in.	8 inches	142	54.10	142A	54.10	442	59.50	742	59.50	842	59.50
$1\frac{3}{4}$ to $2\frac{1}{2}$ in.	10 inches	145	73.40	145A	73.40	445	80.40	745	80.40	845	80.40
$2\frac{1}{4}$ to 3 in.	12 inches	148	114.40	148A	114.40	448	123.00	748	123.00	848	123.00
For office gates $1\frac{1}{4}$ to $2\frac{1}{2}$ inches thick, $2\frac{1}{2}$ feet wide, with handrail not over $3\frac{1}{4}$ inches.											
$1\frac{1}{4}$ to $2\frac{1}{2}$ in.	6 inches	138	\$40.30	138A	\$40.30	438	\$44.30	738	\$44.30	838	\$44.30

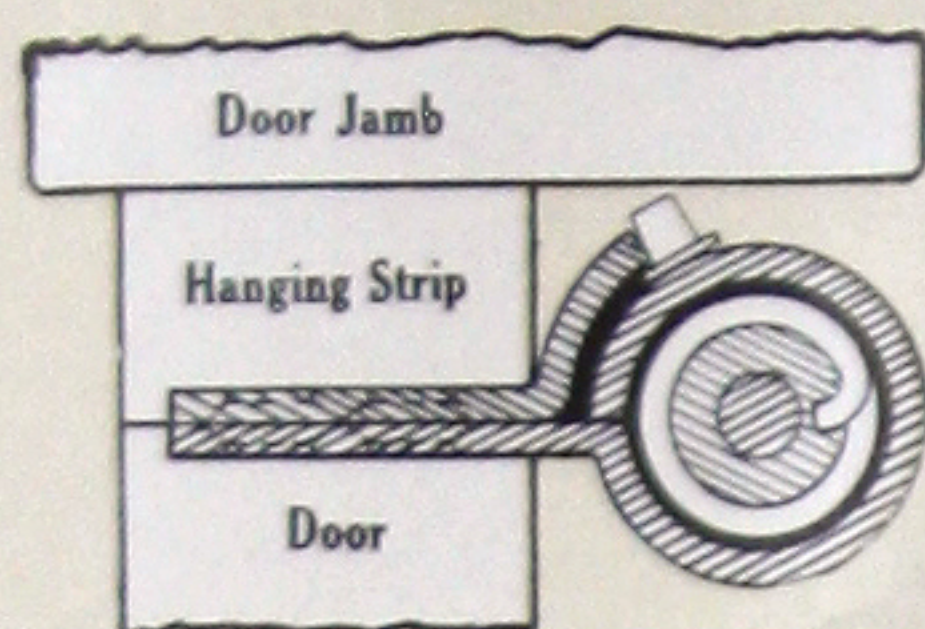
All prices are quoted f. o. b. New York in dollars (\$) of the United States of America in New York City.

Packed complete, one pair in a box, with screws to match the finish, and instructions for applying.

Telegraph code and conditions of sale, page 20. Table of weights, page 19. List of repair parts, page 19.

Bommer Standard Spring Butt Hinges

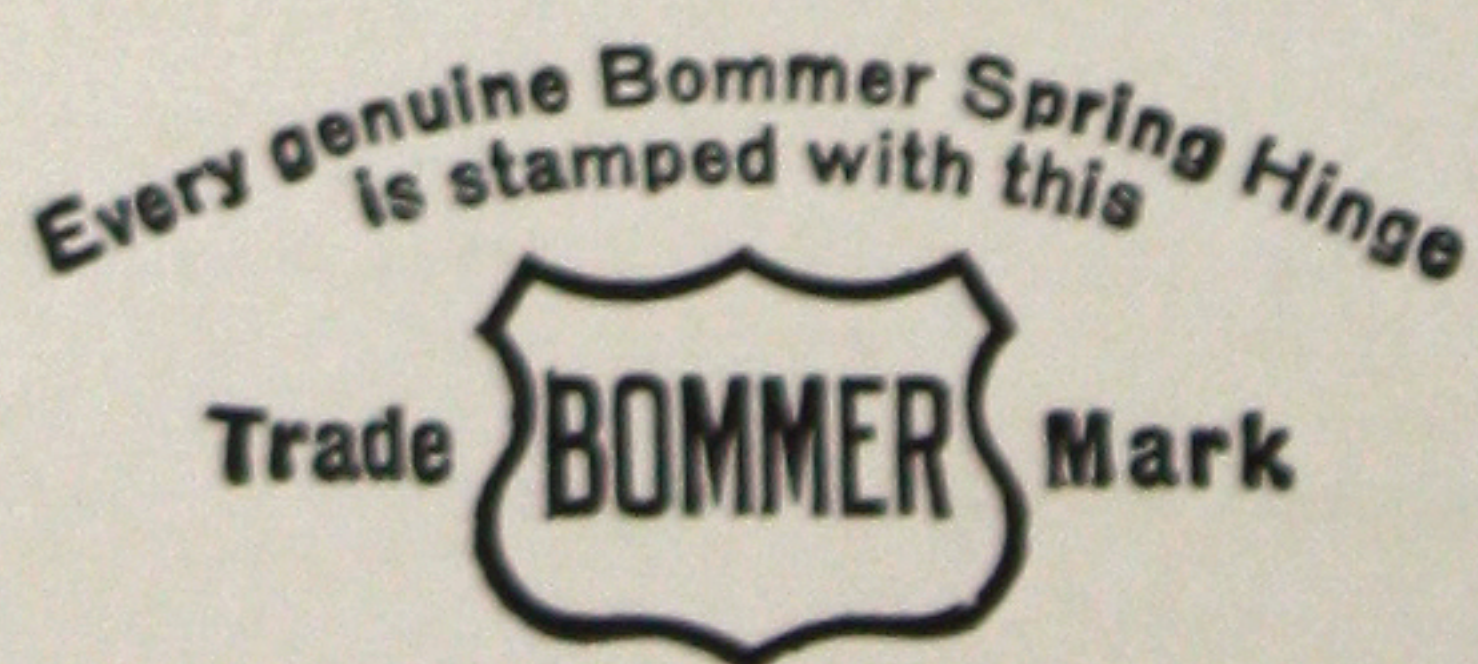
Single Action



In this single action spring hinge the barrel and its leaf for fastening to the door are integral and made of a thick, solid, strong plate of metal of full and even thickness throughout, formed into a contour giving great surplus strength.

The springs are of large diameter and unusual length, made of the best oil-tempered steel wire, have great resilience and power and never go lame.

"Bommer Spring Hinges are the best."



Bommer Standard Spring Butt Hinges

Single Action, for closing doors automatically

Directions for selecting the proper size hinge and for ordering. (Compare also detailed measurements and diagram on page 3.)

For doors (minimum)	For doors (maximum)	Use hinges	Use hanging strip
$\frac{3}{4}$ " thick x 2' 2" wide	1" thick x 2' 0" wide	3 inch	$\frac{1}{2}$ inch
$\frac{7}{8}$ " thick x 2' 4" wide	$1\frac{1}{4}$ " thick x 2' 2" wide	4 inch	$\frac{5}{8}$ inch
$1\frac{1}{8}$ " thick x 2' 6" wide	$1\frac{1}{2}$ " thick x 2' 3" wide	5 inch	$\frac{5}{8}$ inch
$1\frac{1}{4}$ " thick x 2' 8" wide	$1\frac{3}{4}$ " thick x 2' 4" wide	6 inch	$\frac{3}{4}$ inch
$1\frac{3}{8}$ " thick x 2' 9" wide	2" thick x 2' 6" wide	7 inch	$\frac{7}{8}$ inch
$1\frac{1}{2}$ " thick x 2' 10" wide	$2\frac{1}{4}$ " thick x 2' 8" wide	8 inch	1 inch
$1\frac{3}{4}$ " thick x 3' 0" wide	$2\frac{1}{2}$ " thick x 2' 10" wide	10 inch	$1\frac{1}{8}$ inch
$2\frac{1}{4}$ " thick x 3' 2" wide	3" thick x 3' 0" wide	12 inch	$1\frac{1}{4}$ inch

Above directions apply to doors made of white pine or other soft wood. For hard-wood doors, plate-glass doors, metal-covered doors, doors having heavy hardware or heavy kick-plates or doors exposed to drafts, always use the largest size hinge which the thickness of the door will permit; also take note that wide doors always require larger size hinges than narrow doors.

To avoid errors, order by number and state when ordering which finish is wanted. If the finish desired is not mentioned in the order, the first finish at head of column will be furnished. When ordering hinges with special finish to match other hardware, send sample with order.

Planished Steel

Thickness of door: (also note directions above)	Length of flanges	Japanned dead black		Bronze plated or Brass plated (state which)		Antique copper or Statuary finish (state which)		Dull brass or Antique brass (state which)		Nickel plated	
		No.	Per pair	No.	Per pair	No.	Per pair	No.	Per pair	No.	Per pair
$\frac{3}{4}$ to 1 in.	3 inches	0	\$ 3.10	450	\$ 4.00	300	\$ 4.00	600	\$ 4.00	850	\$ 5.50
$\frac{7}{8}$ to $1\frac{1}{4}$ in.	4 inches	1	3.70	451	5.00	301	5.00	601	5.00	851	6.60
$1\frac{1}{8}$ to $1\frac{1}{2}$ in.	5 inches	5	4.30	455	5.90	305	5.90	605	5.90	855	7.90
$1\frac{1}{4}$ to $1\frac{3}{4}$ in.	6 inches	9	5.30	459	7.40	309	7.40	609	7.40	859	9.60
$1\frac{3}{8}$ to 2 in.	7 inches	13	6.80	463	9.60	313	9.60	613	9.60	863	12.30
$1\frac{1}{2}$ to $2\frac{1}{4}$ in.	8 inches	17	9.90	467	13.70	317	13.70	617	13.70	867	17.00
$1\frac{3}{4}$ to $2\frac{1}{2}$ in.	10 inches	21	13.70	471	18.80	321	18.80	621	18.80	871	23.20
$2\frac{1}{4}$ to 3 in.	12 inches	25	18.20	475	25.10	325	25.10	625	25.10	875	30.00
For office gates, $1\frac{1}{4}$ to $2\frac{1}{2}$ inches thick, $2\frac{1}{2}$ feet wide, with handrail not over 4 inches											
$1\frac{1}{4}$ to $2\frac{1}{2}$ in.	5 inches	7	\$5.30	457	\$7.40	307	\$7.40	607	\$7.40	857	\$9.60

Bronze or Brass

Thickness of door: (also note directions above)	Length of flanges	Highly polished Bronze		Highly polished Brass		Antique copper or Statuary finish (state which)		Dull brass or Antique brass (state which)		Nickel plated	
		No.	Per pair	No.	Per pair	No.	Per pair	No.	Per pair	No.	Per pair
$\frac{3}{4}$ to 1 in.	3 inches	100	\$10.10	100A	\$10.10	400	\$11.20	700	\$11.20	800	\$11.20
$\frac{7}{8}$ to $1\frac{1}{4}$ in.	4 inches	101	12.40	101A	12.40	401	13.70	701	13.70	801	13.70
$1\frac{1}{8}$ to $1\frac{1}{2}$ in.	5 inches	105	15.00	105A	15.00	405	16.60	705	16.60	805	16.60
$1\frac{1}{4}$ to $1\frac{3}{4}$ in.	6 inches	109	19.00	109A	19.00	409	20.80	709	20.80	809	20.80
$1\frac{3}{8}$ to 2 in.	7 inches	113	24.20	113A	24.20	413	26.60	713	26.60	813	26.60
$1\frac{1}{2}$ to $2\frac{1}{4}$ in.	8 inches	117	32.50	117A	32.50	417	35.70	717	35.70	817	35.70
$1\frac{3}{4}$ to $2\frac{1}{2}$ in.	10 inches	121	44.00	121A	44.00	421	48.20	721	48.20	821	48.20
$2\frac{1}{4}$ to 3 in.	12 inches	125	68.60	125A	68.60	425	73.80	725	73.80	825	73.80
For office gates, $1\frac{1}{4}$ to $2\frac{1}{2}$ inches thick, $2\frac{1}{2}$ feet wide, with handrail not over 4 inches.											
$1\frac{1}{4}$ to $2\frac{1}{2}$ in.	5 inches	107	\$19.00	107A	\$19.00	407	\$20.80	707	\$20.80	807	\$20.80

All prices are quoted f. o. b. New York in dollars (\$) of the United States of America in New York City.

Single action hinges, as regularly made, close the door, but if so ordered, can be made with reverse acting springs to swing door open and hold it open, without extra charge.

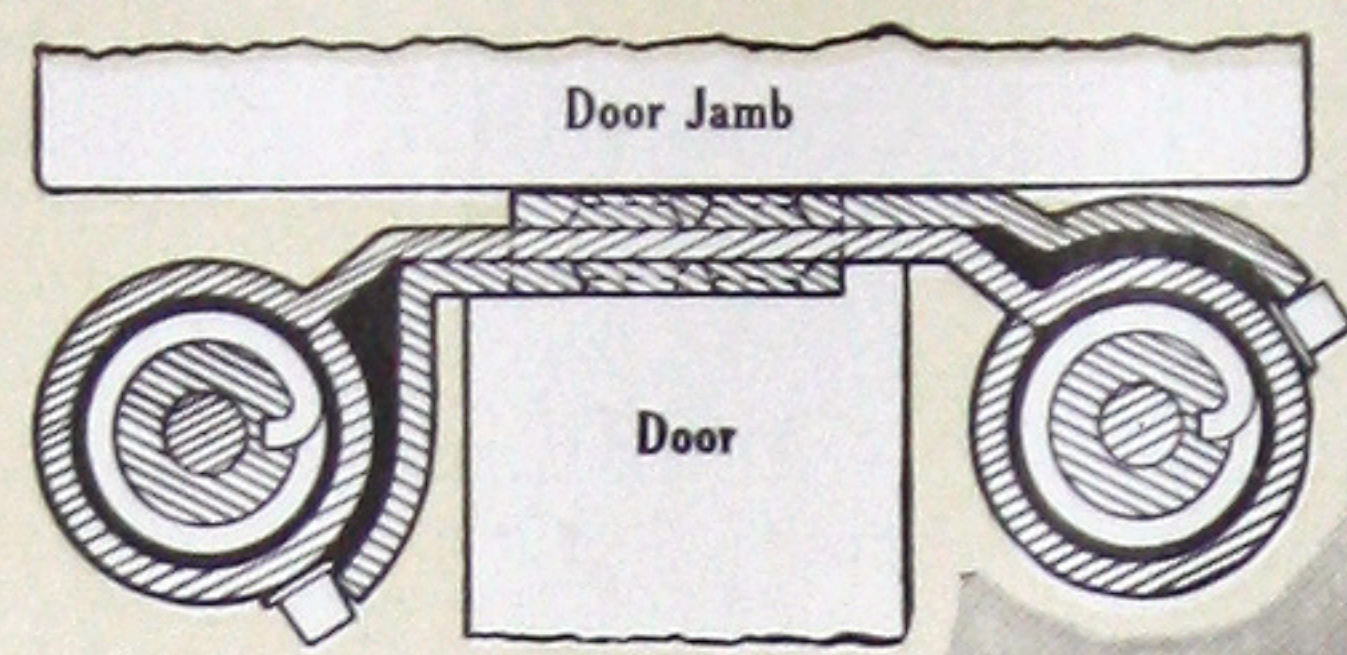
Packed complete, one pair in a box, with screws to match the finish, and instructions for applying.

Telegraph code and conditions of sale, page 20. Table of weights, page 19. List of repair parts, page 19.

Bommer Ever Ready Spring Hinges

Double Action

No Hanging-Strip Required



In the Ever Ready double action spring hinge the use of a hanging-strip is eliminated. Its use simplifies the fitting of the door.

The barrels and their connecting-plate are integral and made of a thick, solid, strong plate of metal of full and even thickness throughout, formed into a contour giving great surplus strength.

The springs are of large diameter and unusual length, made of the best oil-tempered steel wire, have great resilience and power and never go lame.

"Bommer Spring Hinges are the best."

Every genuine Bommer Spring Hinge
is stamped with this



Bommer Ever Ready Spring Hinges

Double Action, for closing doors automatically

Directions for selecting the proper size hinge and for ordering. (Compare also detailed measurements and diagram on page 3.)

For doors (minimum)	For doors (maximum)	Use hinges
$\frac{3}{4}$ " thick x 2' 2" wide	1" thick x 2' 0" wide	3 inch
$\frac{7}{8}$ " thick x 2' 4" wide	$1\frac{1}{4}$ " thick x 2' 2" wide	4 inch
$1\frac{1}{8}$ " thick x 2' 6" wide	$1\frac{1}{2}$ " thick x 2' 3" wide	5 inch
$1\frac{1}{4}$ " thick x 2' 8" wide	$1\frac{3}{4}$ " thick x 2' 4" wide	6 inch
$1\frac{3}{8}$ " thick x 2' 9" wide	2" thick x 2' 6" wide	7 inch
$1\frac{1}{2}$ " thick x 2' 10" wide	$2\frac{1}{4}$ " thick x 2' 8" wide	8 inch

No Hanging-Strip Required

Above directions apply to doors made of white pine or other soft wood. For hard-wood doors, plate-glass doors, metal-covered doors, doors having heavy hardware or heavy kick-plates or doors exposed to strong drafts, always use the largest size hinge which the thickness of the door will permit; also take note that wide doors always require larger size hinges than narrow doors.

For doors requiring larger hinges than the above use Bommer Spring Butt Hinges, 10 inch or 12 inch size with a hanging strip, on page 5.

To avoid errors, order by number and state when ordering which finish is wanted. If the finish desired is not mentioned in the order, the first finish at head of column will be furnished. When ordering hinges with special finish to match other hardware, send sample with order.

Planished Steel

Thickness of door: (also note directions above)	Length of flanges	Japanned dead black		Bronze plated or Brass plated (state which)		Antique copper or Statuary finish (state which)		Dull brass or Antique brass finish (state which)		Nickel plated	
		No.	Per pair	No.	Per pair	No.	Per pair	No.	Per pair	No.	Per pair
$\frac{3}{4}$ to 1 in.	3 inches	3029	\$ 5.10	3479	\$ 6.90	3329	\$ 6.90	3629	\$ 6.90	3879	\$ 9.20
$\frac{7}{8}$ to $1\frac{1}{4}$ in.	4 inches	3030	6.10	3480	8.30	3330	8.30	3630	8.30	3880	11.00
$1\frac{1}{8}$ to $1\frac{1}{2}$ in.	5 inches	3033	7.20	3483	9.70	3333	9.70	3633	9.70	3883	13.20
$1\frac{1}{4}$ to $1\frac{3}{4}$ in.	6 inches	3036	8.90	3486	12.40	3336	12.40	3636	12.40	3886	16.00
$1\frac{3}{8}$ to 2 in.	7 inches	3039	11.40	3489	16.00	3339	16.00	3639	16.00	3889	20.50
$1\frac{1}{2}$ to $2\frac{1}{4}$ in.	8 inches	3042	16.50	3492	22.80	3342	22.80	3642	22.80	3892	28.30

Bronze or Brass

Thickness of door: (also note directions above)	Length of flanges	Highly polished Bronze		Highly polished Brass		Antique copper or Statuary finish (state which)		Dull brass or Antique brass (state which)		Nickel plated	
		No.	Per pair	No.	Per pair	No.	Per pair	No.	Per pair	No.	Per pair
$\frac{3}{4}$ to 1 in.	3 inches	3129	\$18.30	3129A	\$18.30	3429	\$20.30	3729	\$20.30	3829	\$20.30
$\frac{7}{8}$ to $1\frac{1}{4}$ in.	4 inches	3130	20.80	3130A	20.80	3430	23.30	3730	23.30	3830	23.30
$1\frac{1}{8}$ to $1\frac{1}{2}$ in.	5 inches	3133	25.60	3133A	25.60	3433	28.20	3733	28.20	3833	28.20
$1\frac{1}{4}$ to $1\frac{3}{4}$ in.	6 inches	3136	31.70	3136A	31.70	3436	34.70	3736	34.70	3836	34.70
$1\frac{3}{8}$ to 2 in.	7 inches	3139	40.30	3139A	40.30	3439	44.30	3739	44.30	3839	44.30
$1\frac{1}{2}$ to $2\frac{1}{4}$ in.	8 inches	3142	54.10	3142A	54.10	3442	59.50	3742	59.50	3842	59.50

All prices are quoted f. o. b. New York in dollars (\$) of the United States of America in New York City.

Packed complete, one pair in a box, with screws to match the finish, and instructions for applying.

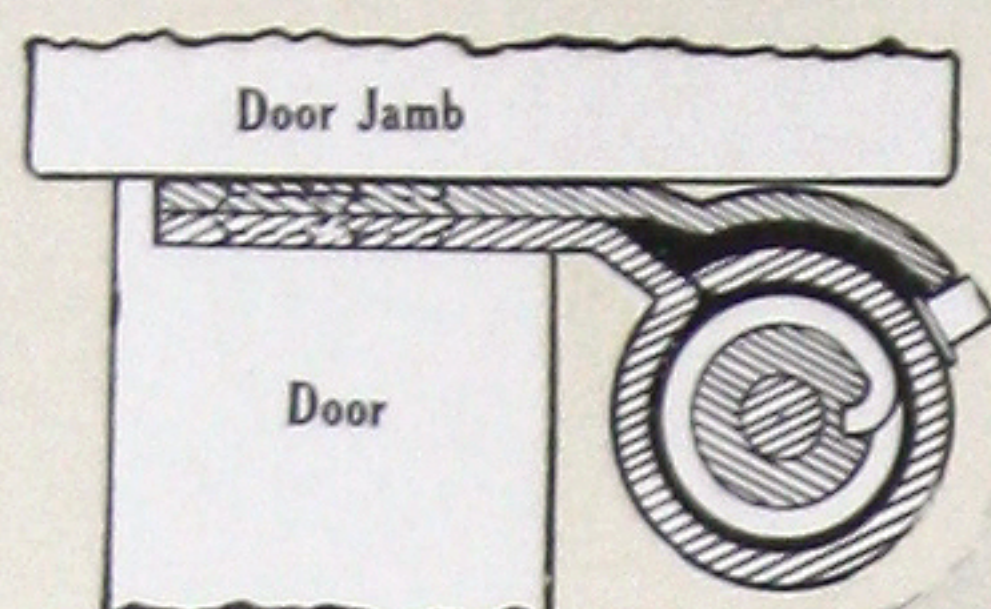
Add suffix "er" to private code word when ordering Ever Ready Spring Hinges by telegraph.

Telegraph code, page 20. Table of weights, page 19. List of repair parts, page 19.

Bommer Ever Ready Spring Hinges

Single Action

No Hanging-Strip Required



In the Ever Ready single action spring hinge the use of a hanging-strip is eliminated. Its use simplifies the fitting of the door.

The barrel and its leaf for fastening to the door are integral and made of a thick, solid, strong plate of metal of full and even thickness throughout and formed into a contour giving great surplus strength.

The springs are of large diameter and unusual length, made of the best oil-tempered steel wire, have great resilience and power and never go lame.

"Bommer Spring Hinges are the best."

Every genuine Bommer Spring Hinge
is stamped with this



Bommer Ever Ready Spring Hinges

Single Action, for closing doors automatically

Directions for selecting the proper size hinge and for ordering. (Compare also detailed measurements and diagram on page 3.)

For doors (minimum)
 $\frac{3}{4}$ " thick x 2' 2" wide
 $\frac{7}{8}$ " thick x 2' 4" wide
 $1\frac{1}{8}$ " thick x 2' 6" wide
 $1\frac{1}{4}$ " thick x 2' 8" wide
 $1\frac{3}{8}$ " thick x 2' 9" wide
 $1\frac{1}{2}$ " thick x 2' 10" wide

For doors (maximum)
1" thick x 2' 0" wide
 $1\frac{1}{4}$ " thick x 2' 2" wide
 $1\frac{1}{2}$ " thick x 2' 3" wide
 $1\frac{3}{4}$ " thick x 2' 4" wide
2" thick x 2' 6" wide
 $2\frac{1}{4}$ " thick x 2' 8" wide

Use hinges
3 inch
4 inch
5 inch
6 inch
7 inch
8 inch

No Hanging-Strip Required

Above directions apply to doors made of white pine or other soft wood. For hard-wood doors, plate-glass doors, metal-covered doors, doors having heavy hardware or heavy kick-plates or doors exposed to drafts, always use the largest size hinge which the thickness of the door will permit; also take note that wide doors always require larger size hinges than narrow doors.

For doors requiring larger hinges than the above use Bommer Spring Butt Hinges, 10 inch or 12 inch size, with a hanging strip, on page 7.

To avoid errors, order by number and state when ordering which finish is wanted. If the finish desired is not mentioned in the order, the first finish at head of column will be furnished. When ordering hinges with special finish to match other hardware, send sample with order.

Planished Steel

Thickness of door: (also note directions above)	Length of flanges	Japanned dead black		Bronze plated or Brass plated (state which)		Antique copper or Statuary finish (state which)		Dull brass or Antique brass finish (state which)		Nickel plated	
		No.	Per pair	No.	Per pair	No.	Per pair	No.	Per pair	No.	Per pair
$\frac{3}{4}$ to 1 in.	3 inches	3000	\$3.10	3450	\$ 4.00	3300	\$ 4.00	3600	\$ 4.00	3850	\$ 5.50
$\frac{7}{8}$ to $1\frac{1}{4}$ in.	4 inches	3001	3.70	3451	5.00	3301	5.00	3601	5.00	3851	6.60
$1\frac{1}{8}$ to $1\frac{1}{2}$ in.	5 inches	3005	4.30	3455	5.90	3305	5.90	3605	5.90	3855	7.90
$1\frac{1}{4}$ to $1\frac{3}{4}$ in.	6 inches	3009	5.30	3459	7.40	3309	7.40	3609	7.40	3859	9.60
$1\frac{3}{8}$ to 2 in.	7 inches	3013	6.80	3463	9.60	3313	9.60	3613	9.60	3863	12.30
$1\frac{1}{2}$ to $2\frac{1}{4}$ in.	8 inches	3017	9.90	3467	13.70	3317	13.70	3617	13.70	3867	17.00

Bronze or Brass

Thickness of door: (also note directions above)	Length of flanges	Highly polished Bronze		Highly polished Brass		Antique copper or Statuary finish (state which)		Dull brass or Antique brass (state which)		Nickel plated	
		No.	Per pair	No.	Per pair	No.	Per pair	No.	Per pair	No.	Per pair
$\frac{3}{4}$ to 1 in.	3 inches	3100	\$10.10	3100A	\$10.10	3400	\$11.20	3700	\$11.20	3800	\$11.20
$\frac{7}{8}$ to $1\frac{1}{4}$ in.	4 inches	3101	12.40	3101A	12.40	3401	13.70	3701	13.70	3801	13.70
$1\frac{1}{8}$ to $1\frac{1}{2}$ in.	5 inches	3105	15.00	3105A	15.00	3405	16.60	3705	16.60	3805	16.60
$1\frac{1}{4}$ to $1\frac{3}{4}$ in.	6 inches	3109	19.00	3109A	19.00	3409	20.80	3709	20.80	3809	20.80
$1\frac{3}{8}$ to 2 in.	7 inches	3113	24.20	3113A	24.20	3413	26.60	3713	26.60	3813	26.60
$1\frac{1}{2}$ to $2\frac{1}{4}$ in.	8 inches	3117	32.50	3117A	32.50	3417	35.70	3717	35.70	3817	35.70

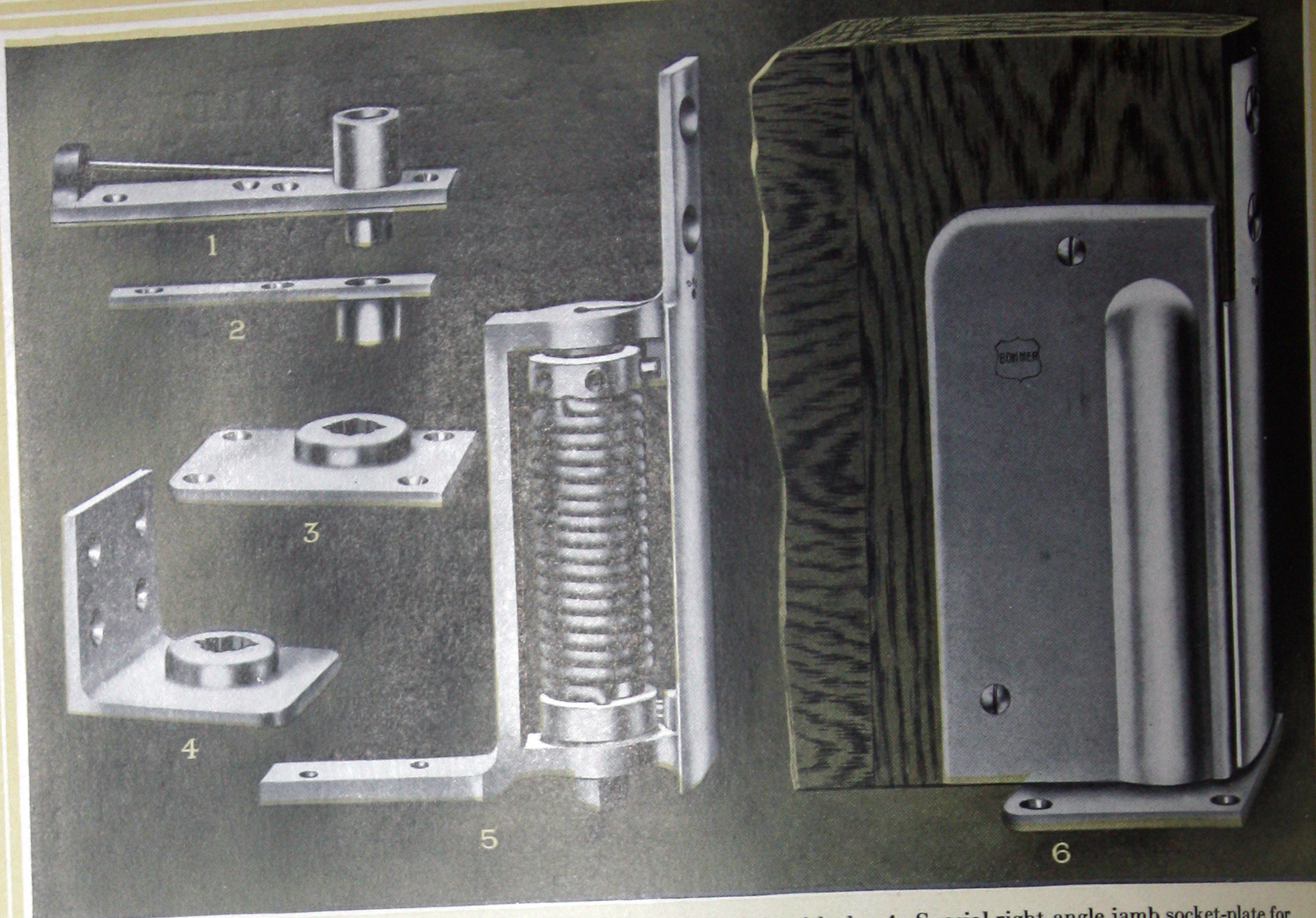
All prices are quoted f. o. b. New York in dollars (\$) of the United States of America in New York City.

Single action hinges, as regularly made, close the door, but if so ordered, can be made with reverse acting springs to swing door open and hold it open, without extra charge.

Packed complete, one pair in a box, with screws to match the finish, and instructions for applying.

Add suffix "er" to private code word when ordering Ever Ready Spring Hinges by telegraph.

Telegraph code, page 20. Table of weights, page 19. List of repair parts, page 19.



1. Top pivot. 2. Top pivot-socket. 3. Floor socket-plate regularly furnished. 4. Special right-angle jamb socket-plate for cement or tile floors. 5. Interior construction of spring-pivot. 6. Spring-pivot as it appears when fitted to the door.

Bommer Vertical Spring Pivots

For closing doors automatically

These pivots swing double action, but by using a stop bead on the door-casing they work equally well single action. No holes to cut into floor and no interference with beams or girders as the floor-plate screws to the surface. No weakening of the door, only a small section of the wood need be cut out lengthwise with the grain. This pivot is completely enclosed; has hardened tool-steel ball-bearings located in the upper part of the pivot-frame, out of reach of water, dust or dirt; the side-plates are made of sheet metal. Workmanship and finish are unsurpassed.

Easy to apply, saves labor and admits of close fitting; no hanging strip required, back edge of door is slightly rounded. The spring, which is made of best oil-tempered steel wire, has great resilience and power and never goes lame, it is correctly set up for door specified as sent out, but the tension of the spring can be adjusted to suit all requirements after the door is in place. The top-pivot has a spring-actuated plunger which permits the door to be taken down without any unscrewing.

To avoid errors, order by number and state which finish is wanted. If the finish desired is not mentioned in the order, the first finish at head of column will be sent. When ordering pivots with special finish to match other hardware, send sample with order. When two finishes for different sides of the door are required in combination, send diagram respectively locating them: the most expensive of the two finishes will be the price charged.

Planished Steel

Thickness of door	Japanned dead black		Bronze plated or Brass plated (state which)		Antique copper or Statuary finish (state which)		Dull brass or Antique brass (state which)		Nickel plated		Distance from center of spindle to door casing
	No.	Per set	No.	Per set	No.	Per set	No.	Per set	No.	Per set	
1½ to 1½ in.	10	\$ 5.40	460	\$ 8.10	310	\$ 8.10	610	\$ 8.10	860	\$ 9.60	1¼ inches
1½ to 2 in.	12	8.10	462	12.00	312	12.00	612	12.00	862	14.30	1½ inches
2 to 2¾ in.	14	12.30	464	17.70	314	17.70	614	17.70	864	21.20	2 inches

Bronze or Brass

Thickness of door	Highly polished Bronze		Highly polished Brass		Antique copper or Statuary finish (state which)		Dull brass or Antique brass (state which)		Nickel plated		From center of spindle to door casing
	No.	Per set	No.	Per set	No.	Per set	No.	Per set	No.	Per set	
1½ to 1½ in.	110	\$13.50	110A	\$13.50	410	\$15.00	710	\$15.00	810	\$15.00	1¼ inches
1½ to 2 in.	112	20.40	112A	20.40	412	22.40	712	22.40	812	22.40	1½ inches
2 to 2¾ in.	114	30.50	114A	30.50	414	33.60	714	33.60	814	33.60	2 inches

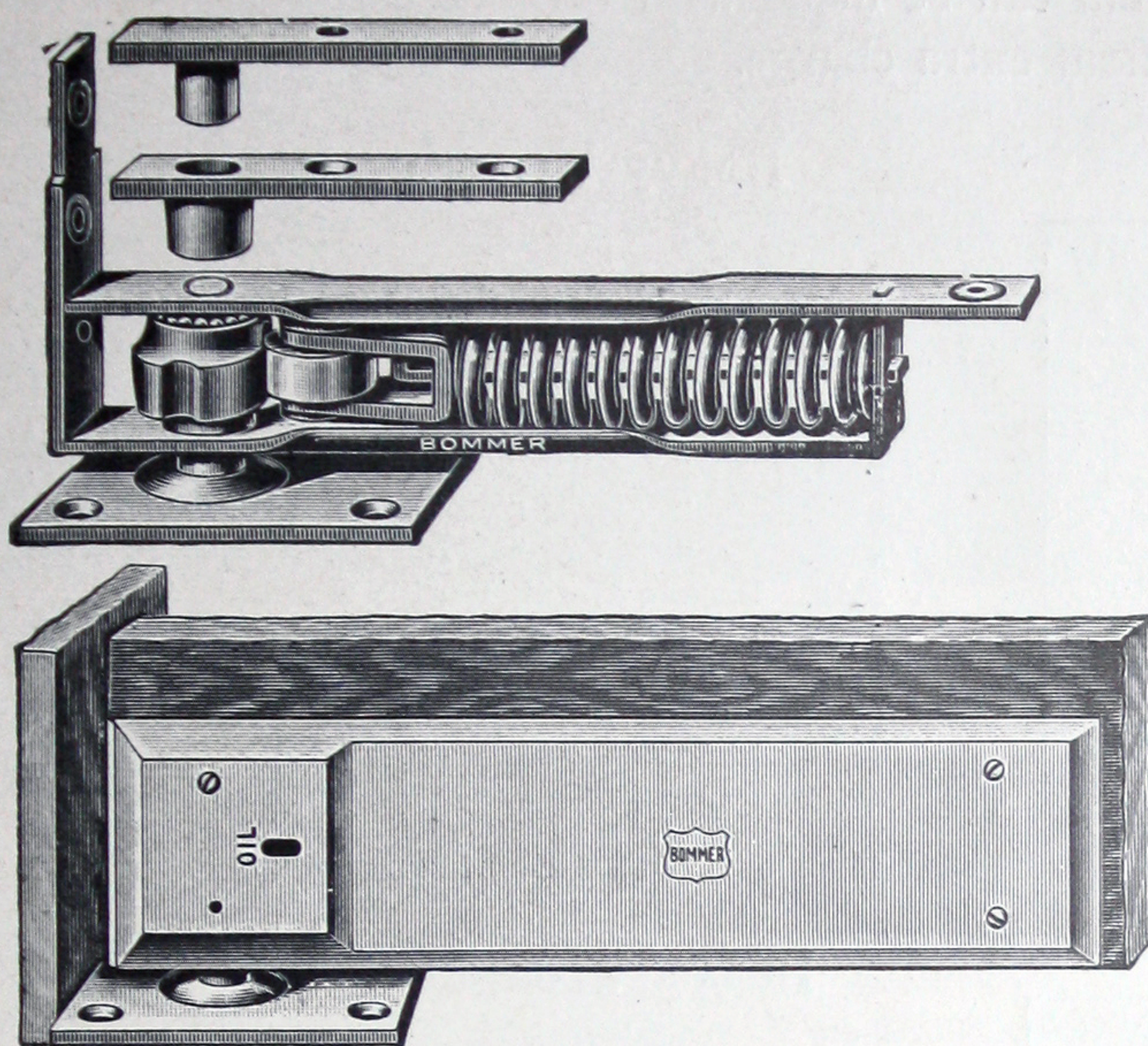
If special right-angle jamb-plate (fig. 4) for cement or tile floor is required, state so on order and add fifteen per cent to list-price.

All prices are quoted f. o. b. New York in dollars (\$) of the United States of America in New York City. Packed complete, one set in a box with screws to match the finish, and instructions for applying. Telegraph code and conditions of sale on page 20. Table of weights on page 19. List of repair parts, page 19.

BOMMER

Floor Surface Spring Hinges

Style 4000



This spring pivot is simple, efficient, durable, easy to apply and is screwed fast directly to the door and floor surface. The screw-slots in the floor plate are so placed to provide proper alignment, no hanging strip required.

The side-plates are reversible.

The pivot holds the door open when swung 90 degrees. The spring is of compression type, made of best oil tempered steel wire, and has great resilience and power, and has tension correctly set for doors $1\frac{1}{8}$ " to $1\frac{3}{4}$ " thick.

Wearing parts are case hardened. The weight is carried on hardened steel ball-bearings, located at the top of center-bearing.

All the bearings of this spring pivot can be lubricated from a single oil-hole on either side plate.

To avoid errors, order by number.

PLANISHED STEEL

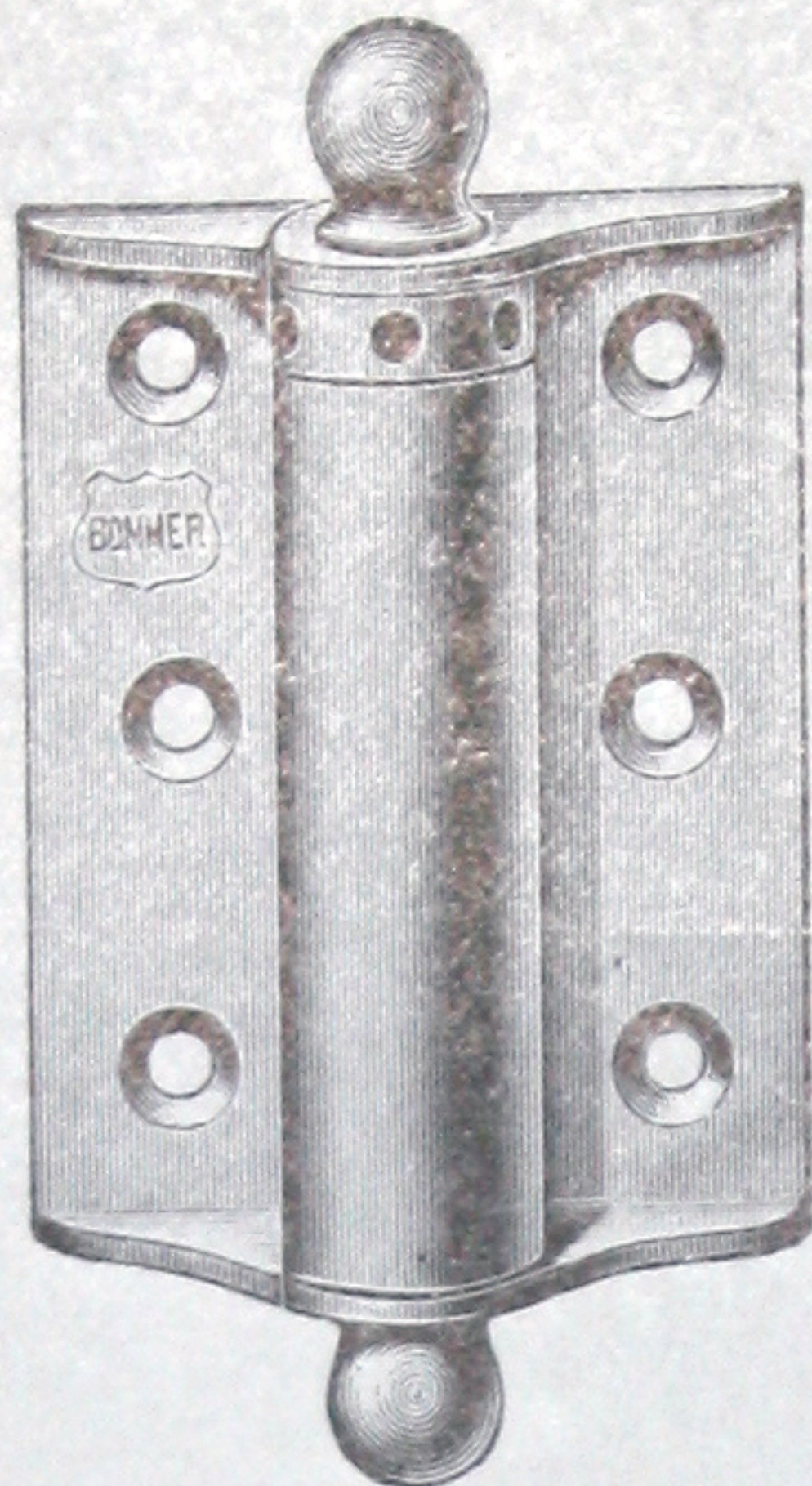
4000.	Japaned Dead Black.....	\$2.60
4001.	Bronze Plated.....	2.80
4002.	Antique Copper Finish.....	2.80
4003.	Dull Brass.....	2.80
4004.	Nickel Plated.....	3.20
4005.	Sand Finished (Specify Finish)	3.20

Packed complete, one set in a box, with screws to match the finish. A full case contains 25 sets complete of any one finish, or 50 sets of assorted finishes.

Bommer Cabinet Spring Hinges

These spring hinges are designed for small doors such as cabinets, display cases and lockers having stiles as narrow as 1 inch.

The spring is made of the best tempered steel wire and is entirely encased. The tension of the springs can be regulated to suit requirements. They are made to close the door, but can be made with reverse action springs to hold the door open so ordered; without extra charge.



Style 2700

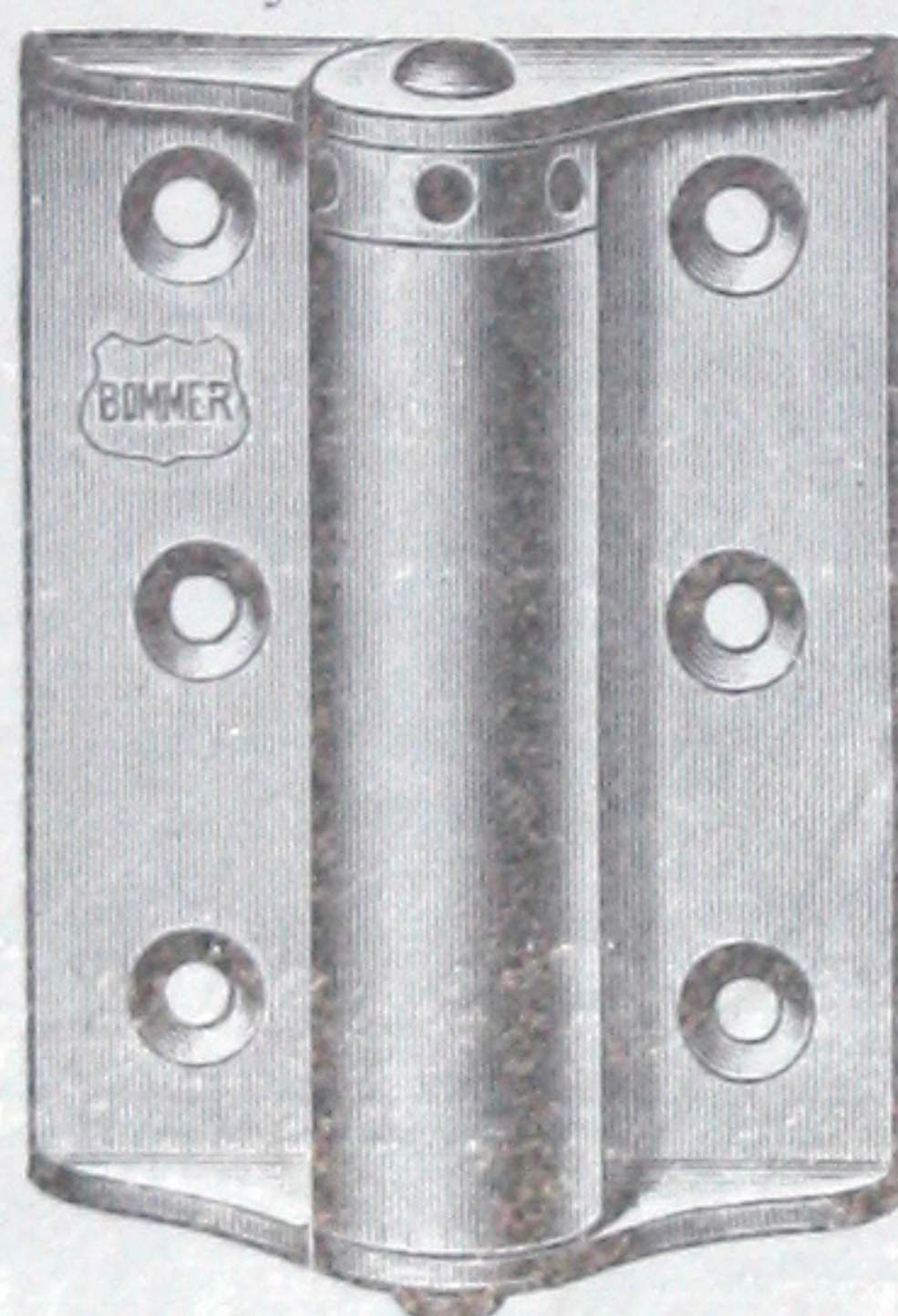
Heavy Wrought Metal. Style 2700 With Tips

Size 3x2 inches

2700.	Planished Steel, Japanned Dead Black.....	per pair
2701.	" " Bronze Plated.....	"
2702.	" " Antique Copper Finish.....	"
2703.	" " Dull Brass Finish.....	"
2704.	" " Nickel Plated.....	"
2705.	" " Sand Finish (Specify Finish)	"
2706.	" " Imitation Bower-Barff.....	"
2710.	Bronze Metal, Highly Polished.....	"
2711.	Brass Metal, Antique Copper Finish.....	"
2712.	" " Dull Brass Finish.....	"
2713.	" " Nickel Plated.....	"

One pair in a box, with screws to match the finish.

Regularly furnished with ball-tips; can be furnished with dome-tips if so ordered; without extra charge.



Style 2800

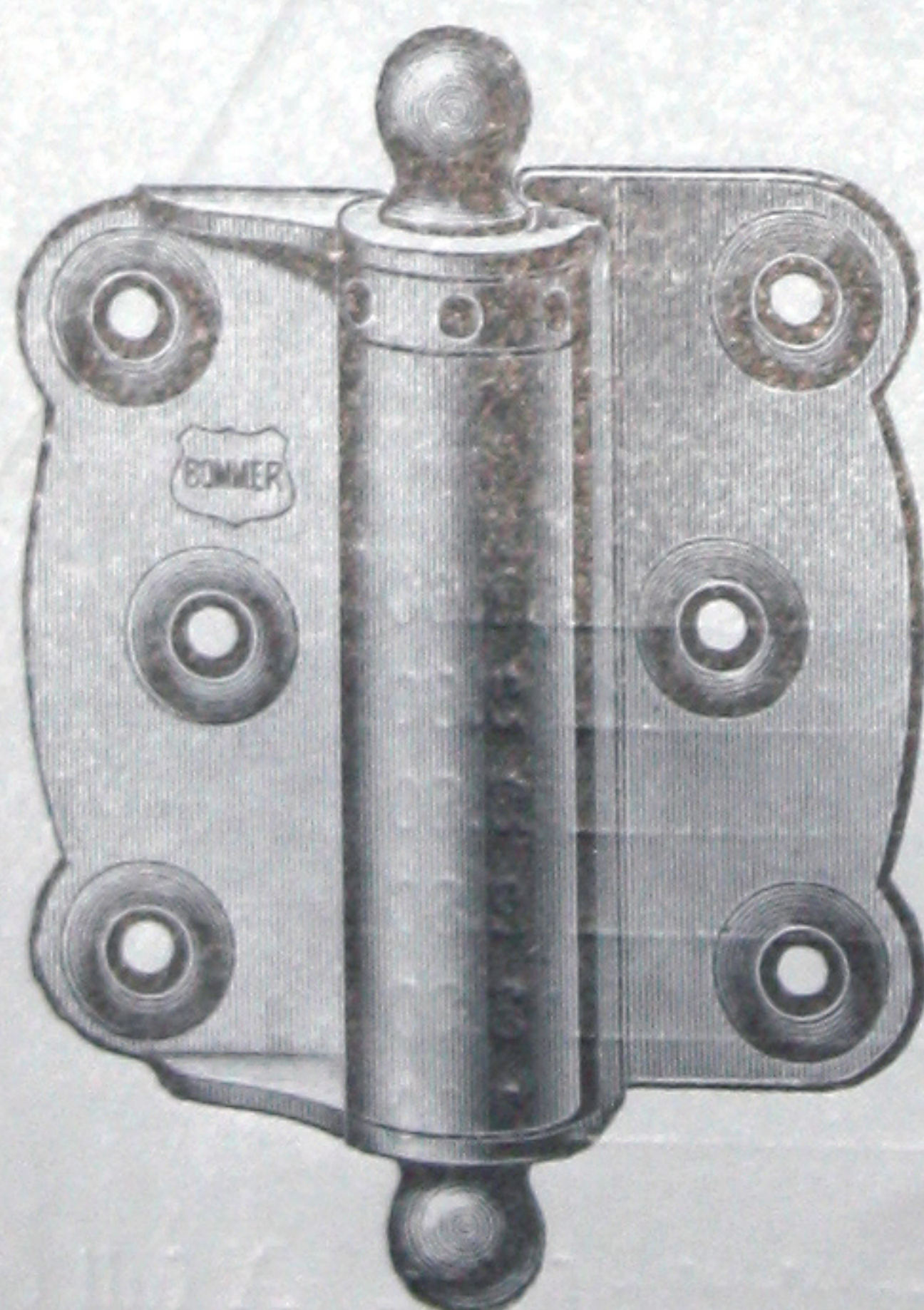
Heavy Wrought Metal. Style 2800 Without Tips

Size 3x2 inches

2800.	Planished Steel, Japanned Dead Black.....	per pair
2801.	" " Bronze Plated.....	"
2802.	" " Antique Copper Finish.....	"
2803.	" " Dull Brass Finish.....	"
2804.	" " Nickel Plated.....	"
2805.	" " Sand Finished (Specify Finish)	"
2806.	" " Imitation Bower-Barff.....	"
2810.	Bronze Metal, Highly Polished.....	"
2811.	Brass Metal, Antique Copper Finish.....	"
2812.	" " Dull Brass Finish.....	"
2813.	" " Nickel Plated.....	"

One pair in a box, with screws to match the finish.

Bommer Refrigerator Spring Hinges



Style 2900

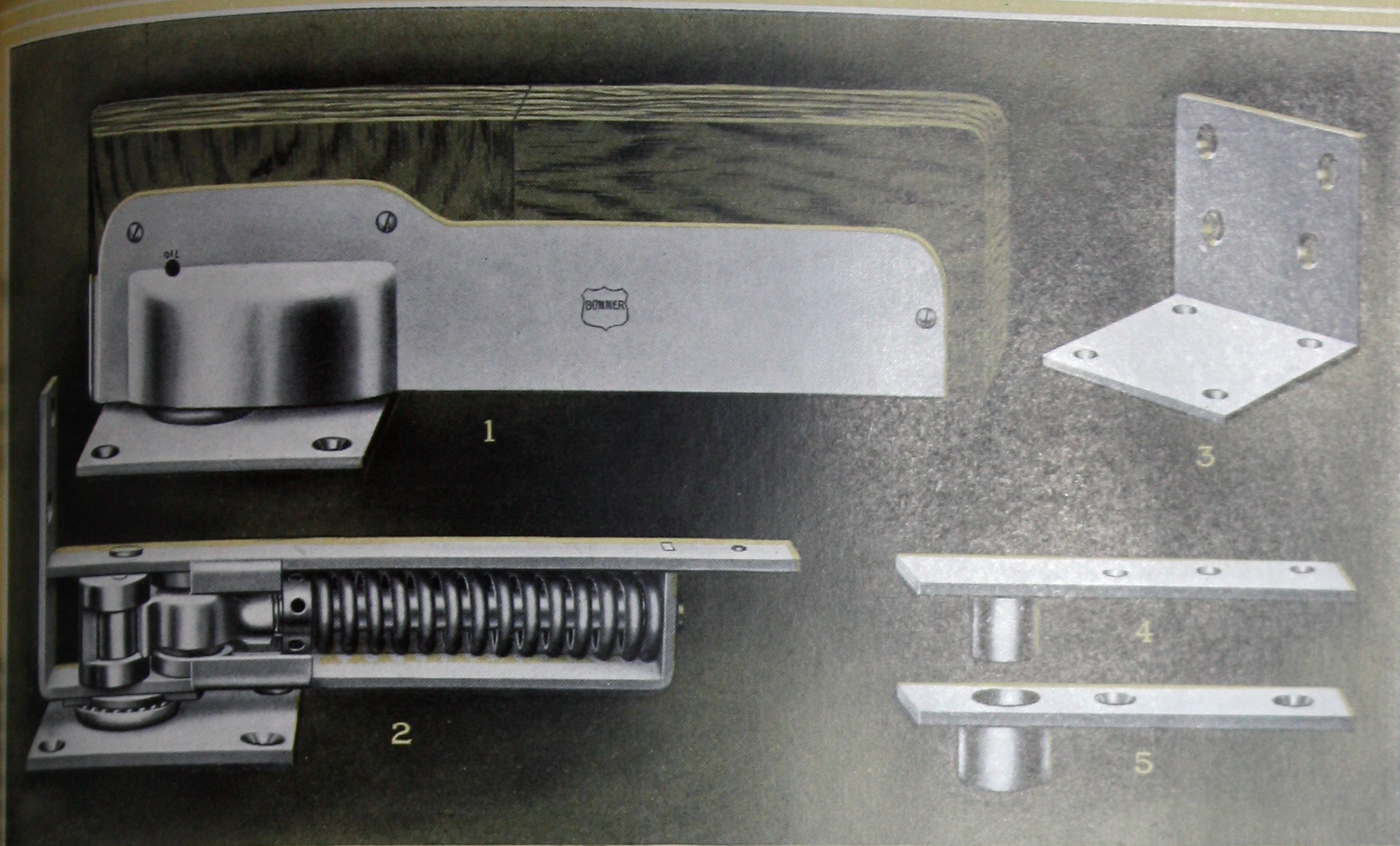
Heavy Wrought Metal

Size 3x2 7/8 in. stile-leaf 3/8 in. offset

This hinge is designed for small refrigerator doors weighing under 25 pounds. One leaf is fastened to the door, the other leaf having a 3/8 inch offset is fastened to the stile. The spring is made of the best tempered steel wire and is entirely encased. The tension of the springs can be regulated to suit requirements.

2901A.	Planished Steel, Brass Plated.....	per pair
2903.	" " Dull Brass Finish.....	"
2904.	" " Nickel Plated.....	"
2910A.	Brass Metal, Highly Polished.....	"
2912.	" " Dull Brass Finish.....	"
2913.	" " Nickel Plated.....	"

One pair in a box, with screws to match the finish.



1. Spring-pivot as it appears when fitted to the door. 2. Interior construction of spring-pivot. 3. Special right angle jamb socket-plate for cement or tile floors. 4. Top-pivot. 5. Top pivot-socket.

Bommer Horizontal Spring Pivots

For closing doors automatically

This spring-pivot is simple, efficient, durable, easy to apply and is screwed fast directly to the door and floor surface, no hanging strip required, no holes to be cut in the floor. Is double action, but by using a stop bead on the door-casing it works equally well single action. The back edge of the door is slightly rounded.

The positive holdback holds the door if opened beyond 90 degrees so that it will not close suddenly when required to remain open. The spring is of the compression type, made of the best oil-tempered steel wire and has great resilience and power. This spring-pivot as sent out has the spring correctly set for the door specified, but the tension of the spring can be reduced or increased to suit all requirements after the spring-pivot is in place on the door. Both pivot-frame and floor-plate are reinforced by a method which also secures a longer bearing for the spindle. The bearing surfaces are case-hardened. The weight is carried on hardened tool-steel ball-bearings contained in an enclosed steel ball-race. The spring-actuated plunger-rod is centrally guided in the side extensions of the pivot-frame. All the bearings of this spring-pivot can be lubricated from a single oil-hole on either side-plate.

To avoid errors, order by number and state which finish is wanted. If the finish desired is not mentioned in the order, the first finish at head of column will be sent. When ordering spring-pivots with special finish to match other hardware, send sample with order. When two finishes are required in combination for different sides of the door, send diagram locating them; the most expensive of the two finishes will be the price charged.

Planished Steel

Thickness of door	Japanned dead black		Bronze plated or Brass plated (state which)		Antique copper or Statuary finish (state which)		Dull brass or Antique brass (state which)		Nickel plated		From center of spindle to back edge of door
	No.	Per set	No.	Per set	No.	Per set	No.	Per set	No.	Per set	
1½ to 1¾ in.	15	\$3.20	465	\$3.50	315	\$3.50	615	\$3.50	865	\$4.00	1½ inches
2 to 2½ in.	16	4.70	466	5.40	316	5.40	616	5.40	866	5.80	2½ inches

Bronze or Brass

Thickness of door	Highly polished Bronze		Highly polished Brass		Antique copper or Statuary finish (state which)		Dull brass or Antique brass (state which)		Nickel plated		From center of spindle to back edge of door
	No.	Per set	No.	Per set	No.	Per set	No.	Per set	No.	Per set	
1½ to 1¾ in.	115	\$8.30	115A	\$8.30	415	\$ 8.90	715	\$ 8.90	815	\$ 8.90	1½ inches
2 to 2½ in.	116	9.80	116A	9.80	416	10.40	716	10.40	816	10.40	2½ inches

For special right-angle jamb-plate (fig. 3 above) add 15%. For special top-pivot with spring-actuated plunger (fig. 1, page 12) add 10%.

All prices are quoted f. o. b. New York in dollars (\$) of the United States of America in New York City.

A full case contains 25 sets complete of any one finish or 50 sets of assorted finishes.

Packed complete, one set in a box, with screws to match the finish, and instructions for applying.

Telegraph code and conditions of sale on page 20. Table of weights on page 19.

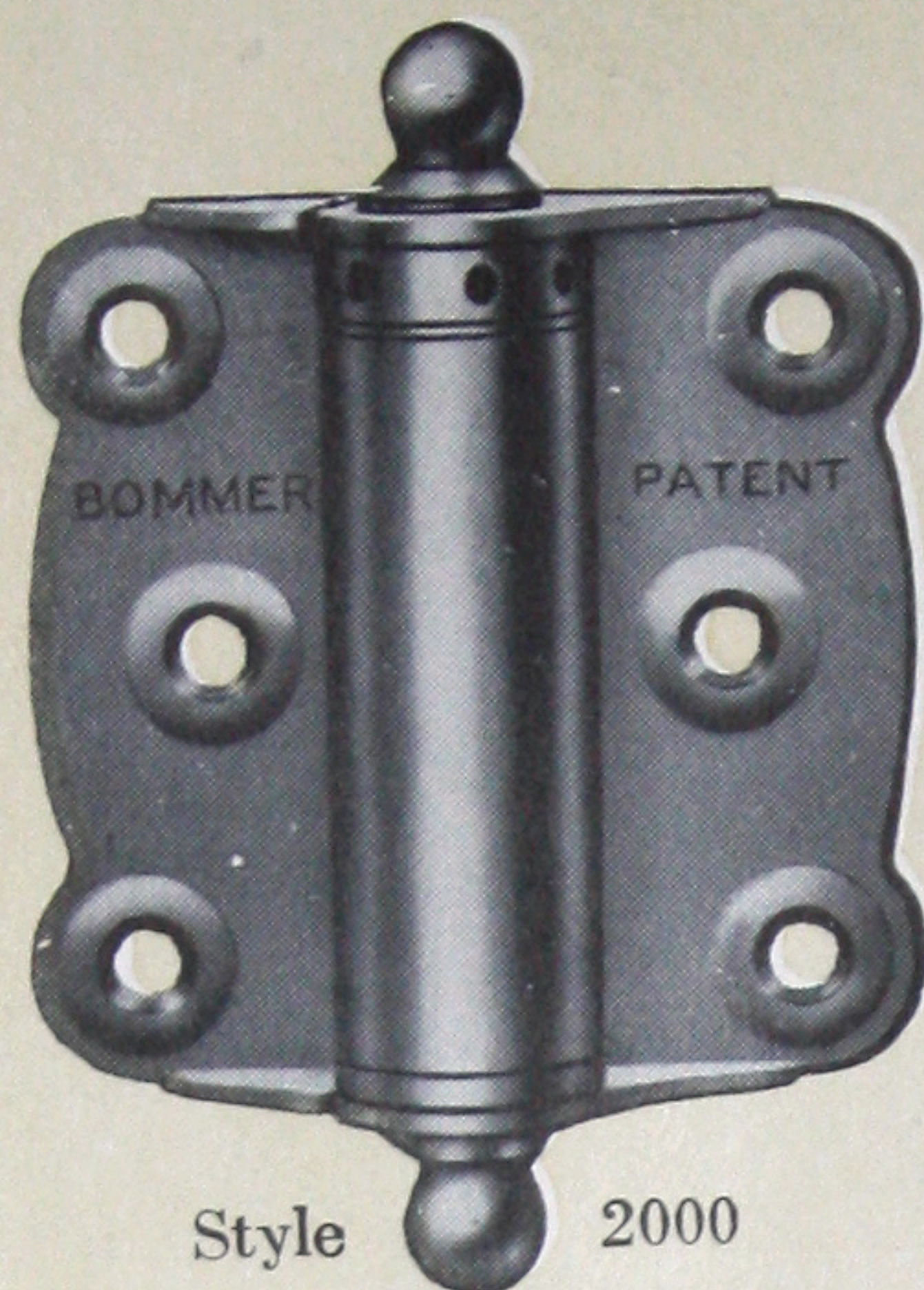
Bommer Screen-Door Spring Hinges

For closing doors automatically

Style 2000. Extra Heavy Wrought Metal

3 x 3 Inches. Recommended for High-Class Work

Has adjustable tension and enclosed oil-tempered spiral coil-spring. This hinge is made of very heavy metal and is extremely durable. The workmanship is accurate, the finish superb. The tension of the spring can be regulated to close the door slow or fast, after the hinge is applied.



Style 2000

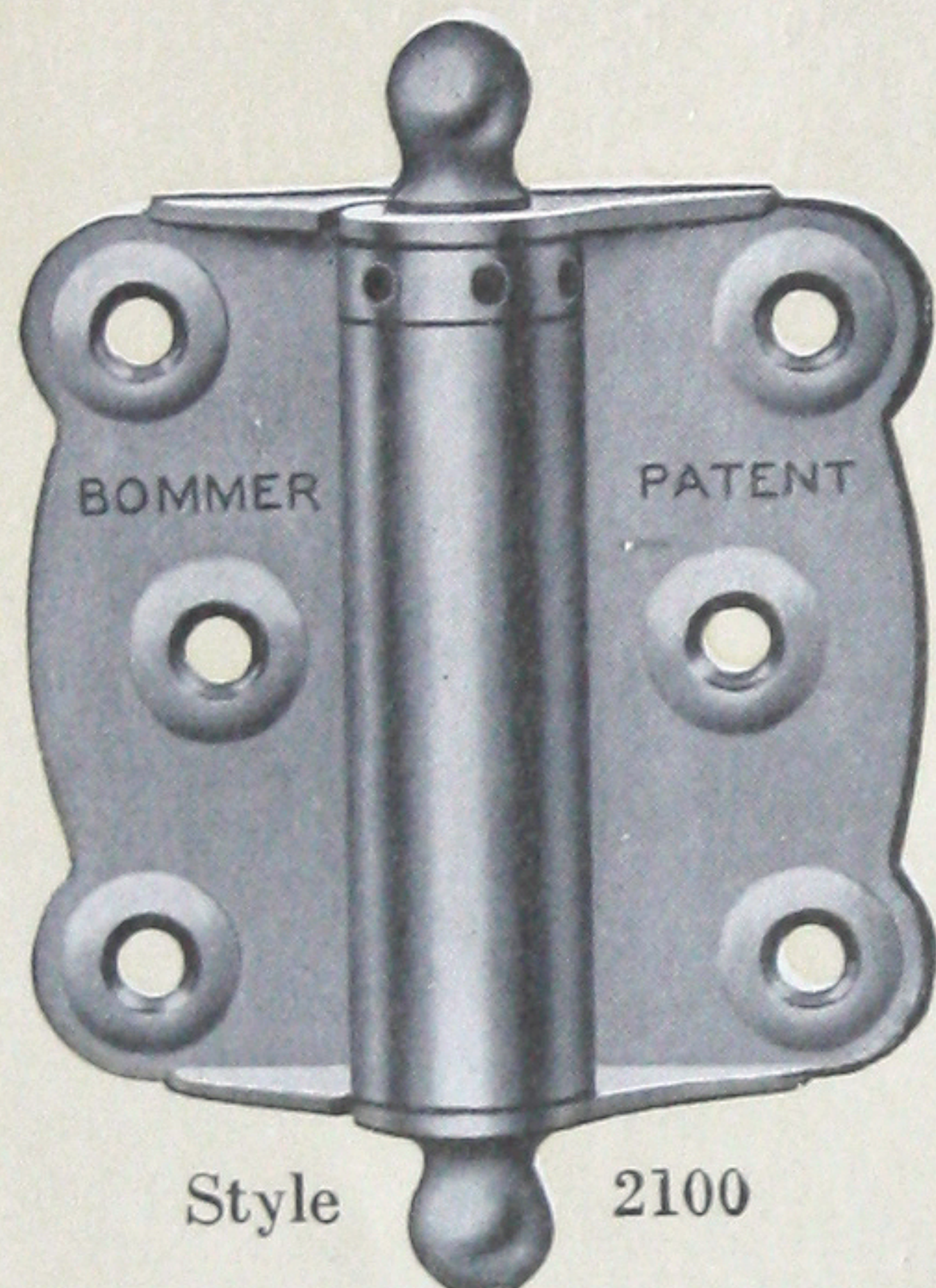
2000.	Planished Steel, Japanned Dead Black.....	per pair	\$2.40
2001.	" " Bronze Plated.....	"	3.00
2002.	" " Antique Copper Finish.....	"	3.00
2003.	" " Dull Brass Finish.....	"	3.00
2004.	" " Nickel Plated.....	"	4.00
2005.	" " Sand Blast Finishes.....	"	4.00
2010.	Bronze Metal, Highly Polished.....	"	6.10
2011.	Brass Metal, Antique Copper Finish.....	"	6.80
2012.	" " Dull Brass Finish.....	"	6.80
2013.	" " Nickel Plated.....	"	6.80

One pair in a box, with screws to match the finish.

Style 2100. Heavy Wrought Metal

3 x 3 Inches

Has adjustable tension. The coil-spring is entirely enclosed and is made of best oil-tempered steel wire. This hinge is of excellent workmanship and finish, and is made of heavy metal. The tension of the spring can be regulated after the hinge is applied to the door.



Style 2100

2100.	Planished Steel, Japanned Dead Black.....	per pair	\$1.90
2101.	" " Bronze Plated.....	"	2.50
2102.	" " Antique Copper Finish.....	"	2.50
2103.	" " Dull Brass Finish.....	"	2.50
2104.	" " Nickel Plated.....	"	3.30
2105.	" " Sand Blast Finishes.....	"	3.30
2110.	Bronze Metal, Highly Polished.....	"	5.20
2111.	Brass Metal, Antique Copper Finish.....	"	5.80
2112.	" " Dull Brass Finish.....	"	5.80
2113.	" " Nickel Plated.....	"	5.80

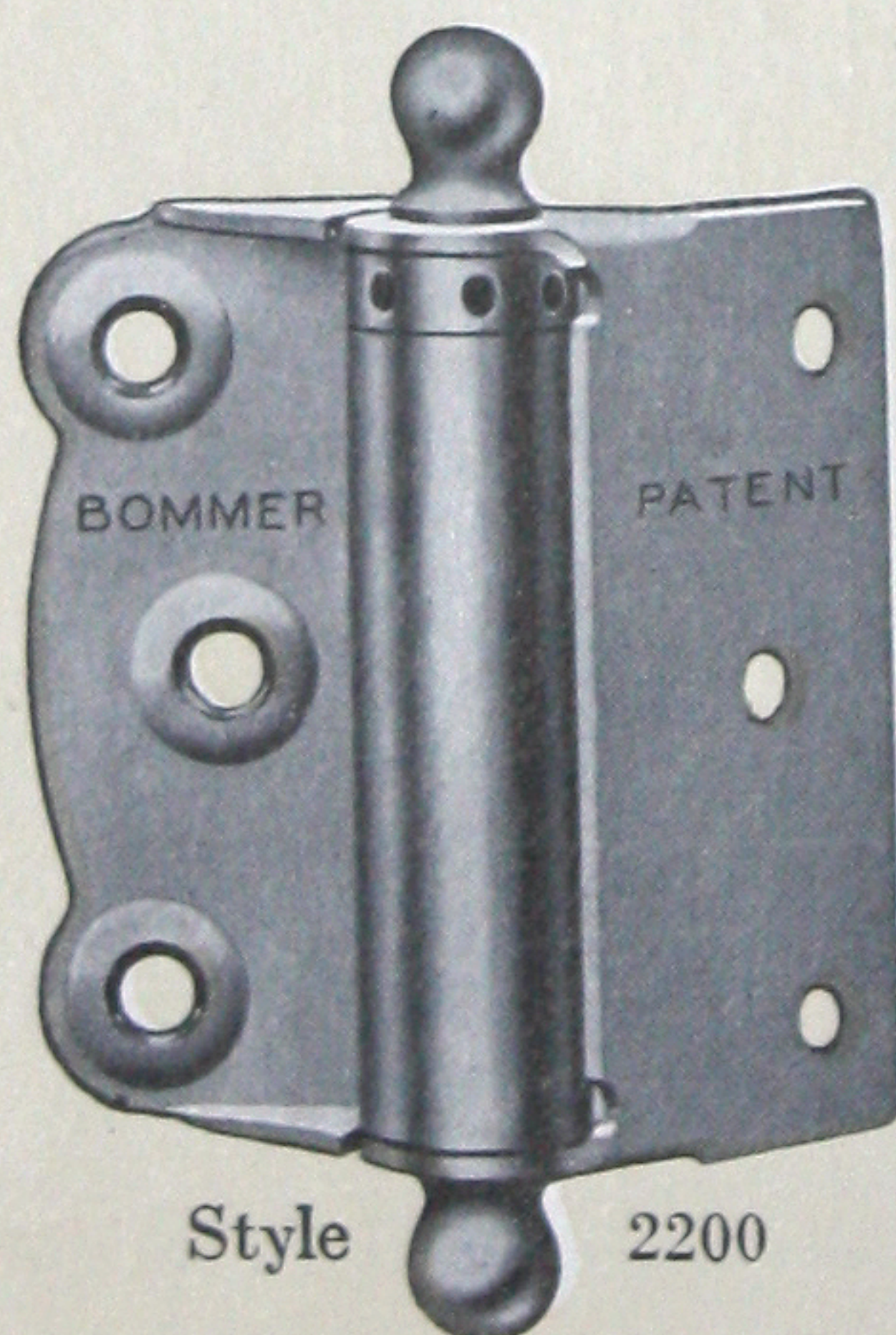
One pair in a box, with screws to match the finish.

Style 2200. Half Surface Hinge Heavy Wrought Metal

3 x 3 Inches

A time saver. One leaf is fastened to the casing, the other leaf is fastened to the surface of the door.

Has adjustable tension. The coil-spring is entirely enclosed and made of best oil-tempered steel wire. A hinge of excellent workmanship and finish, made of heavy metal. The tension of the spring can be regulated after the hinge is applied to the door.



Style 2200

2200.	Planished Steel, Japanned Dead Black.....	per pair	\$1.90
2201.	" " Bronze Plated.....	"	2.50
2202.	" " Antique Copper Finish.....	"	2.50
2203.	" " Dull Brass Finish.....	"	2.50
2204.	" " Nickel Plated.....	"	3.30
2205.	" " Sand Blast Finishes.....	"	3.30
2210.	Bronze Metal, Highly Polished.....	"	5.20
2211.	Brass Metal, Antique Copper Finish.....	"	5.80
2212.	" " Dull Brass Finish.....	"	5.80
2213.	" " Nickel Plated.....	"	5.80

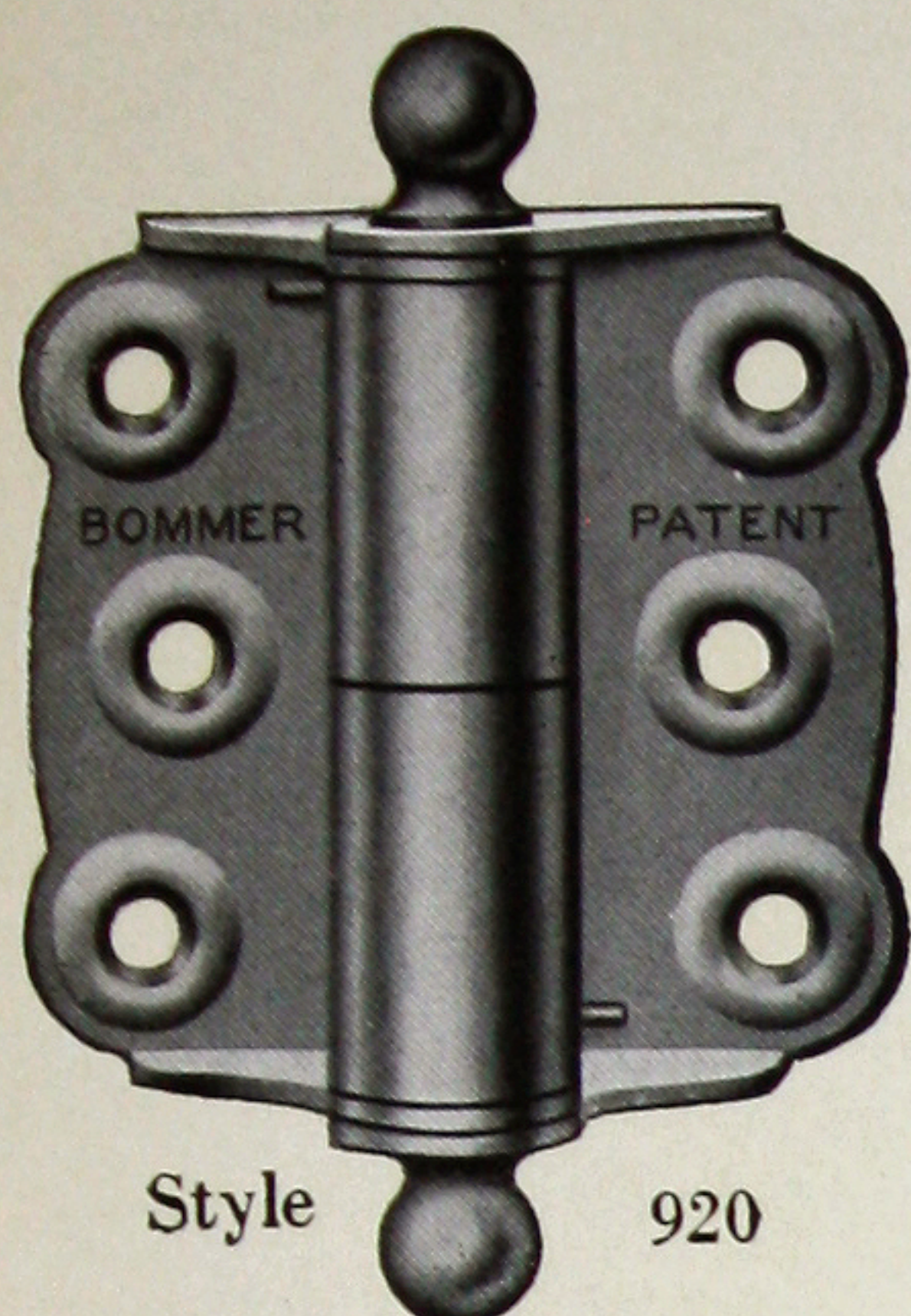
One pair in a box, with screws to match the finish.

All prices are quoted f. o. b. New York in dollars (\$) of the United States of America in New York City.

Telegraph code and conditions of sale on page 20. Table of weights, page 19.

Bommer Screen-Door Spring Hinges

For closing doors automatically



Style 920

Style 920. Wrought Steel, with Ball Tips

2 3/4 x 2 3/4 Inches

Has two bearing joints, no matter which end of the hinge is uppermost, thereby greatly increasing its strength and durability. Has enclosed oil-tempered spiral coil-spring and well-designed ball tips.

A handsome, well finished and thoroughly satisfactory article.

920.	Planished Steel, Japanned.....	per dozen pairs	\$11.40
921.	" " Bronze Plated.....	" " "	14.80
922.	" " Antique Copper Finish.....	" " "	14.80
923.	" " Dull Brass Finish.....	" " "	14.80
924.	" " Nickel Plated.....	" " "	16.30

One pair in a box, with screws to match the finish. Half gross pairs in a case.

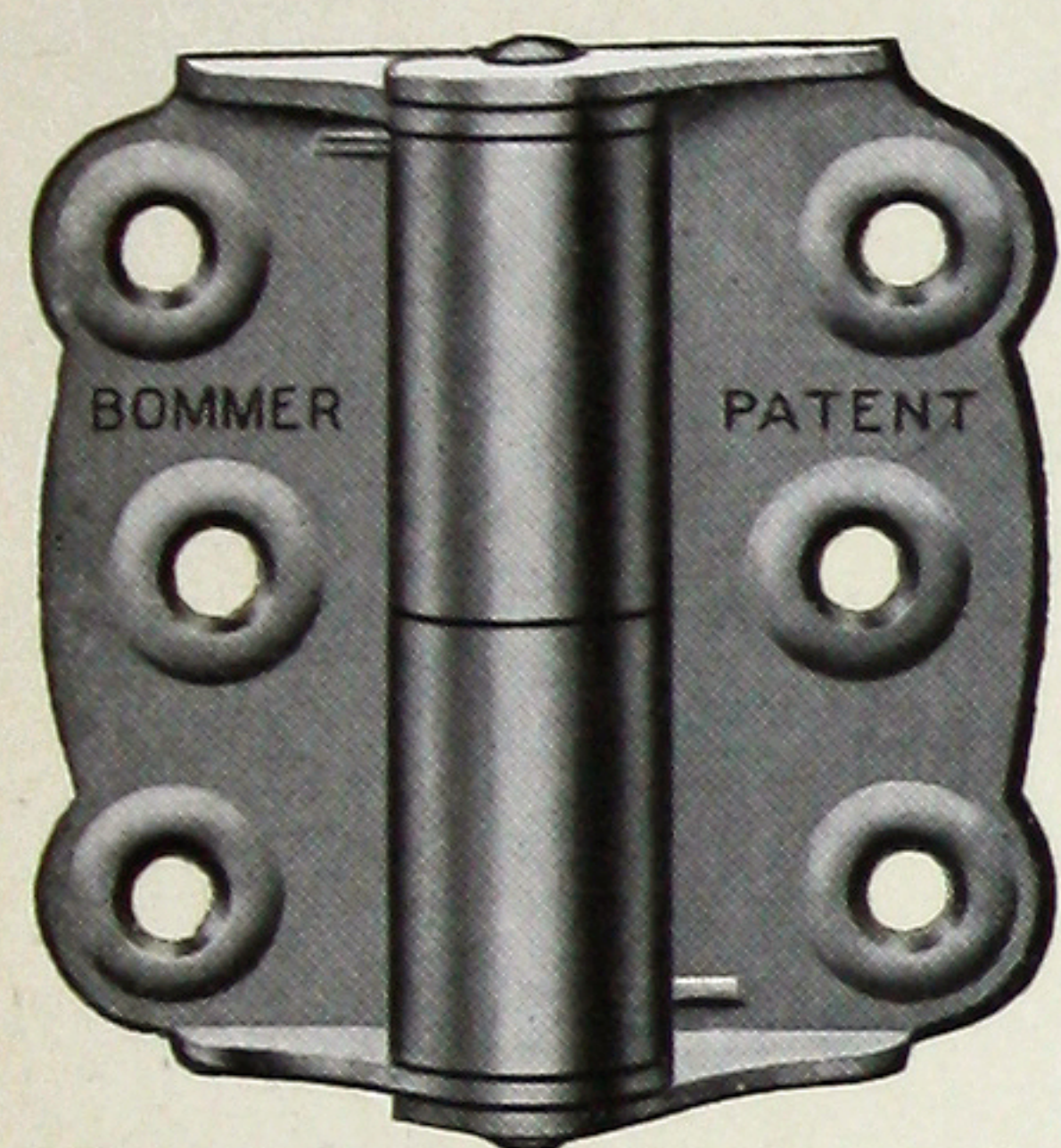
Style 900. Wrought Steel

2 3/4 x 2 3/4 Inches

Has two bearing joints, no matter which end of the hinge is uppermost, thereby greatly increasing its strength and durability. Has enclosed oil-tempered spiral coil-spring. A handsome, well finished and thoroughly satisfactory article.

900.	Japanned.....	without screws, per dozen pairs	\$ 6.20
900 1/2.	"	with screws " " "	7.40
901.	Bronze Plated, with screws to match.....	" " "	10.10
902.	Antique Copper Finish, with screws to match..	" " "	10.10
903.	Dull Brass Finish, with screws to match.....	" " "	10.10
904.	Nickel Plated, with screws to match.....	" " "	11.20

One dozen pairs in a box. One gross pairs in a case.



Style 900

Style 960. Detachable. Wrought Steel

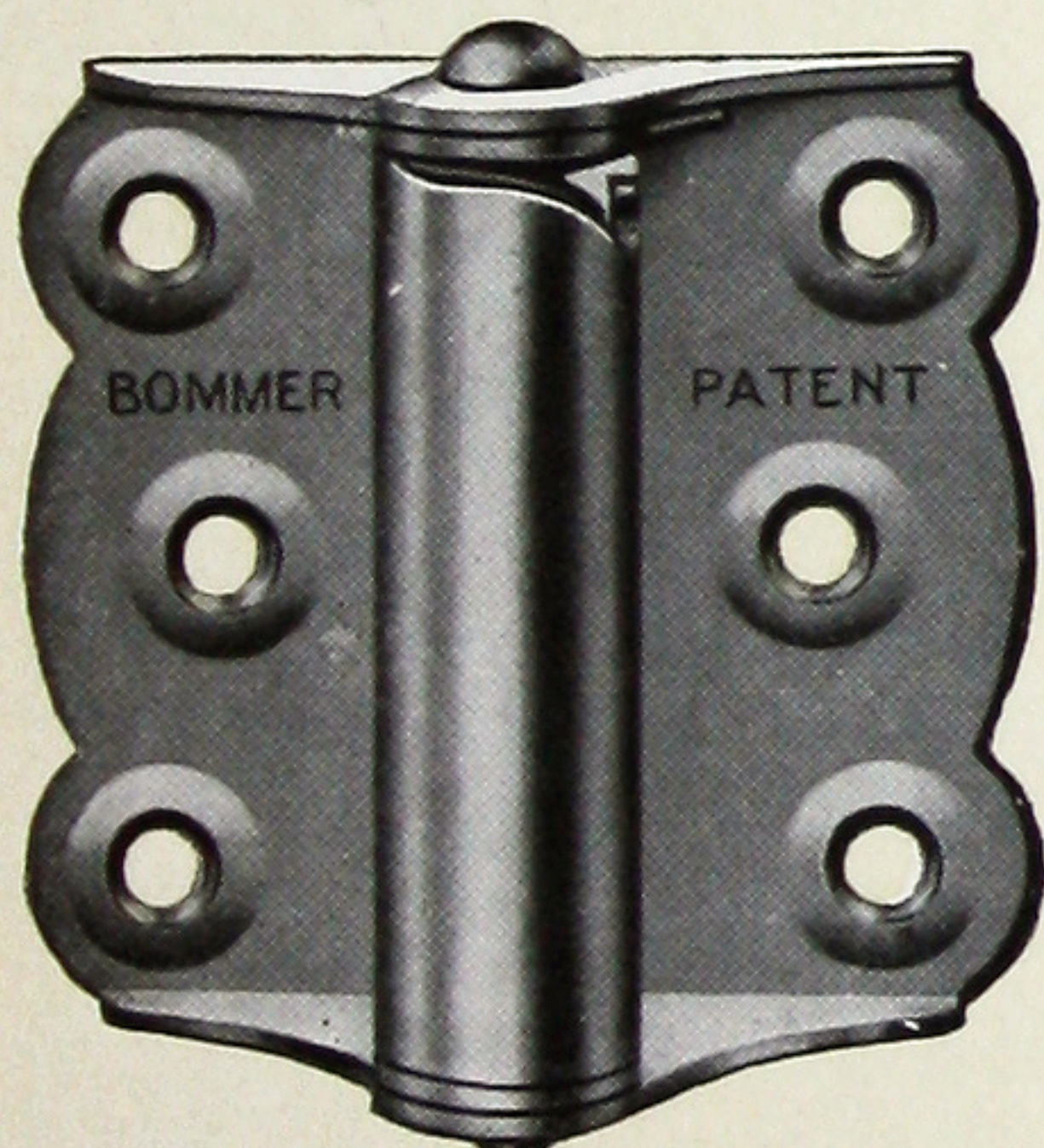
2 3/4 x 2 3/4 Inches

A detachable screen door hinge sometimes proves convenient. To detach this hinge, open the door and push the end of the spring down into the hook on the barrel and withdraw the pintle; then take the door down without unscrewing.

This hinge has enclosed oil-tempered steel coil-spring, is well made and will give good service.

960.	Japanned.....	without screws, per dozen pairs	\$ 5.90
960 1/2.	"	with screws, " " "	7.10
961.	Bronze Plated, with screws to match.....	" " "	9.50
962.	Antique Copper Finish, with screws to match..	" " "	9.50
963.	Dull Brass Finish, with screws to match.....	" " "	9.50
964.	Nickel Plated, with screws to match.....	" " "	10.50

One dozen pairs in a box. One gross pairs in a case.



Style 960

Style 970. Half Surface Wrought Steel

2 3/4 x 2 3/4 Inches

A time saver. One leaf is fastened to the casing, the other leaf is fastened to the surface of the door.

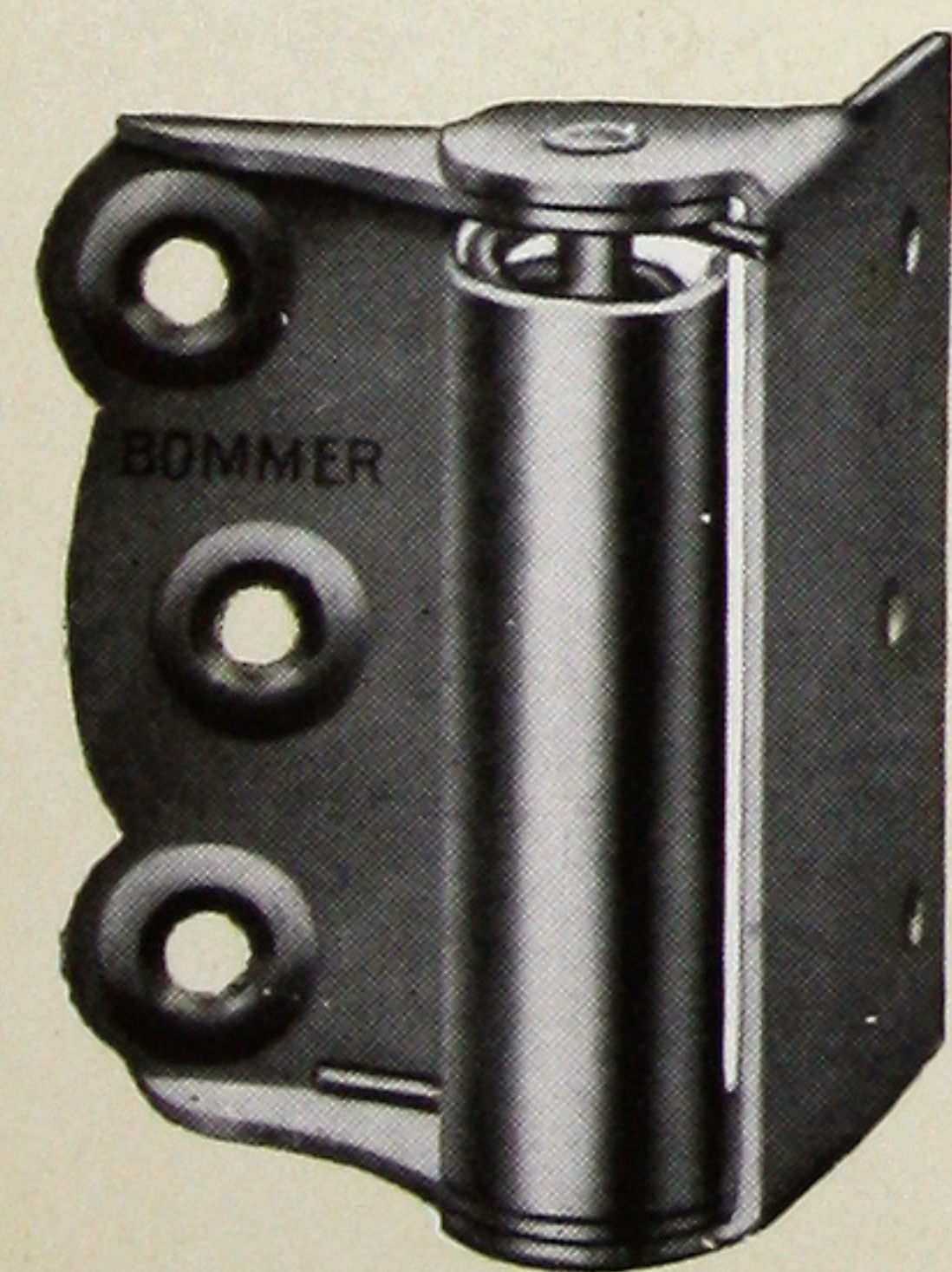
This hinge has enclosed oil-tempered steel coil-spring, is well made and will give good service.

970.	Japanned.....	without screws, per dozen pairs	\$ 8.90
970 1/2.	"	with screws, " " "	10.10
971.	Bronze Plated, with screws to match.....	" " "	11.90
972.	Antique Copper Finish, with screws to match..	" " "	11.90
973.	Dull Brass Finish, with screws to match.....	" " "	11.90
974.	Nickel Plated, with screws to match.....	" " "	13.10

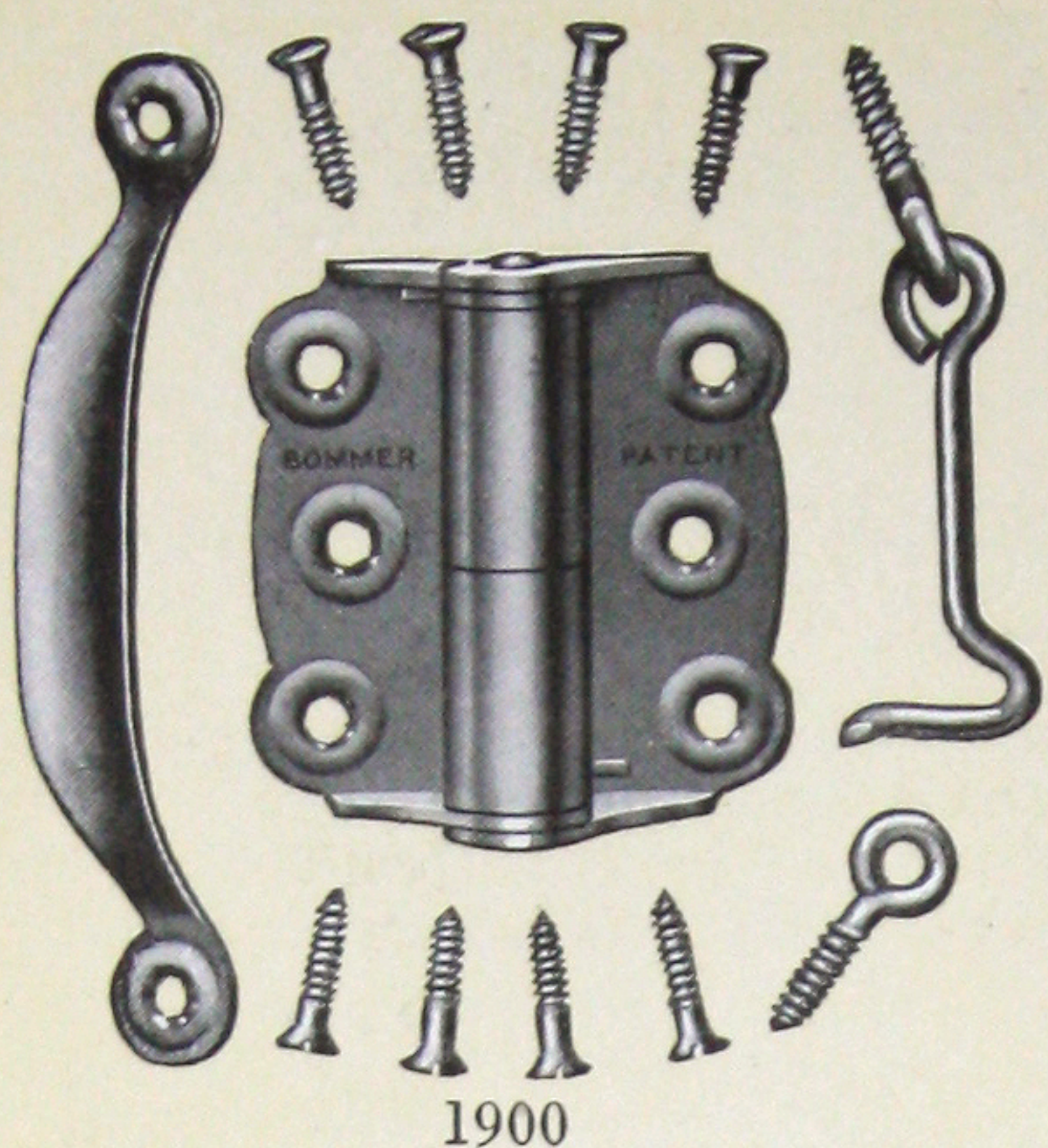
One dozen pairs in a box. One gross pairs in a case.

All prices are quoted f. o. b. New York in dollars (\$) of the United States of America in New York City.

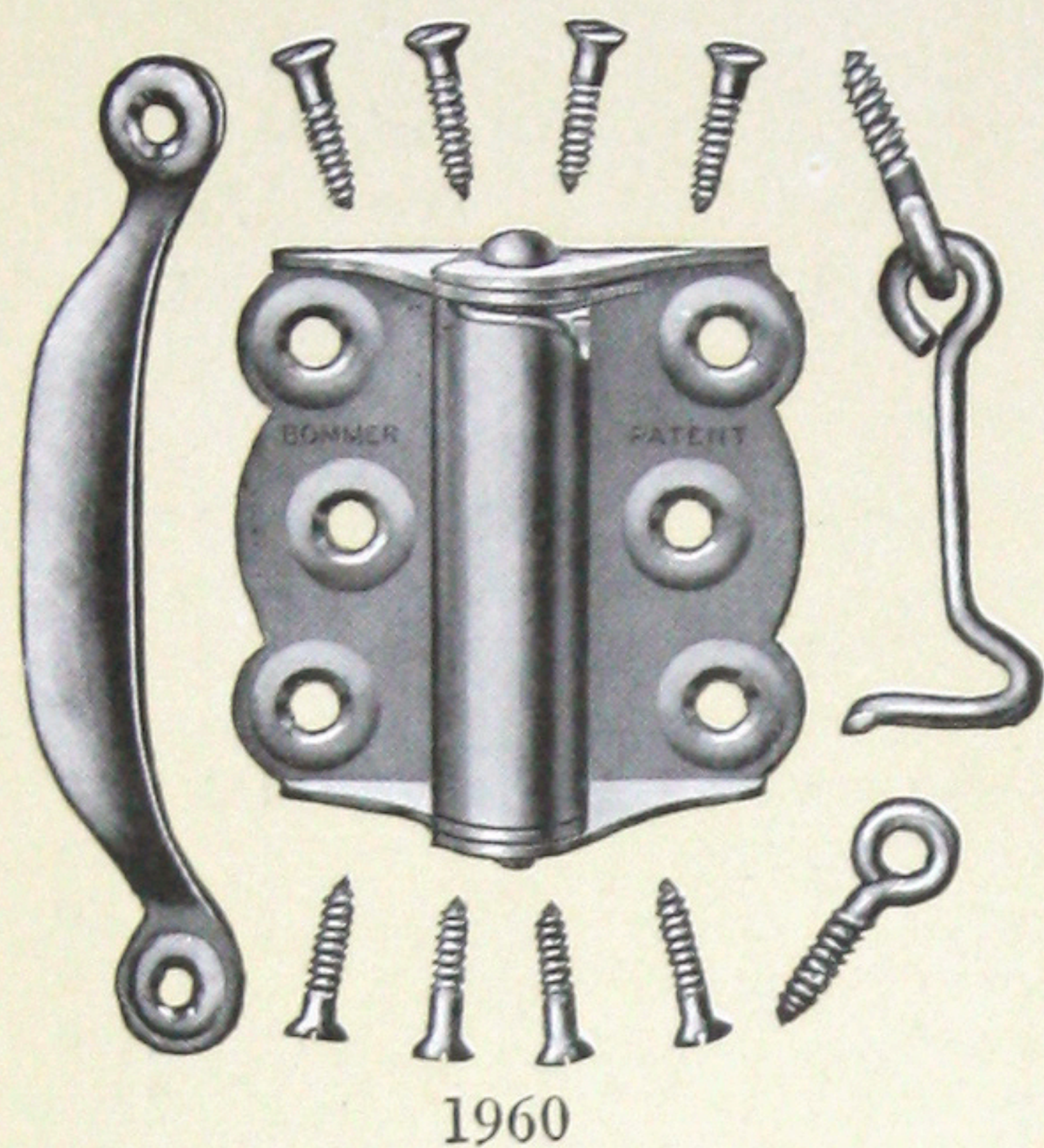
Telegraph code and conditions of sale on page 20. Table of weights, page 19.



Style 970



1900



1960



Style 1980



Style 1600

Bommer Screen-Door Sets Wrought Steel

Put up in a neat box, all complete, ready for use

Set No. 1900 consists of		Per Dozen Sets
1 pair Japanned Spring Hinges, No. 900.....	}	\$9.20
1 Door Pull, style 1980, Japanned, 4¾ inches.....		
1 Hook and Eye, style 6005, 2½ inches.....		
14 Wood Screws.....		

Set No. 1901	
Same articles as No. 1900, but all Bronze Plated.....	12.50

Set No. 1902	
Same articles as No. 1900, but all Ant. Copper Finish.....	12.50

Set No. 1903	
Same articles as No. 1900, but all Dull Brass Finish.....	12.50

Set No. 1904	
Same articles as No. 1900, but all Nickel Plated.....	13.80

Set No. 1960 consists of		
1 pair Japanned Spring Hinges, No. 960.....	}	8.80
1 Door Pull, style 1980, Japanned, 4¾ inches.....		
1 Hook and Eye, style 6005, 2½ inches.....		
14 Wood Screws.....		

Set No. 1961	
Same articles as No. 1960, but all Bronze Plated.....	11.80

Set No. 1962	
Same articles as No. 1960, but all Ant. Copper Finish.....	11.80

Set No. 1963	
Same articles as No. 1960, but all Dull Brass Finish.....	11.80

Set No. 1964	
Same articles as No. 1960, but all Nickel Plated.....	13.10

Style 1980. Wrought Steel Door Pulls 4¾ Inches

1980.	Planished Steel, Japanned, without screws . . . per gross	\$4.90
1980½.	" " " with screws . . .	7.00
1981.	" " Bronze Plated, with screws	9.20
1982.	" " Ant. Cop. Finish " " "	9.20
1983.	" " Dull Brass Finish " " "	9.20
1984.	" " Nickel Plated " " "	12.40

Bommer Door Holders

(Operated by the Foot)

This is the best, strongest and most ingenious door holder of its type. Injury of the door is avoided as the foot-plate moves with the plunger-rod and is spaced away from the door. The plunger-rod being U-shaped cannot turn in the casing. The casing is formed from a single piece of metal; no screw holes are underneath the moving part. The rubber tip prevents marring or slipping on any floor. The appearance is attractive, the finish superb and the article is efficient. (See illustration of door, top of page 2.)

Length—6½ inches. Will reach 1½ inches from door to floor.

Prices

1600.	Planished Steel, Japanned Dead Black . . . per dozen	\$21.30
1601.	" " Bronze Plated.....	25.40
1602.	" " Antique Copper Finish . .	25.40
1603.	" " Dull Brass Finish.....	25.40
1604.	" " Nickel Plated.....	29.50
1605.	" " Sand Blast Finishes.....	29.50
1606.	" " Genuine Bower-Barff Finish	35.60
1610.	Bronze Metal, Highly Polished.....	37.60
1611.	Brass Metal, Antique Copper Finish . .	40.70
1612.	" " Dull Brass Finish.....	40.70
1613.	" " Nickel Plated.....	44.80
1614.	" " Sand Blast Finishes.....	44.80

Half dozen in a box, with screws to match the finish.

To avoid errors, order by number and state which finish is wanted.

All prices are quoted f. o. b. New York in dollars (\$) of the United States of America in New York City.

Telegraph code and conditions of sale on page 20. Table of weights, page 19.



Style 2400

Bommer Door Springs

For closing doors automatically
Extra Heavy Cast Metal

These door springs are unequalled for strength, durability and finish, and for convenience in handling for the dealer as well as for the carpenter and user.

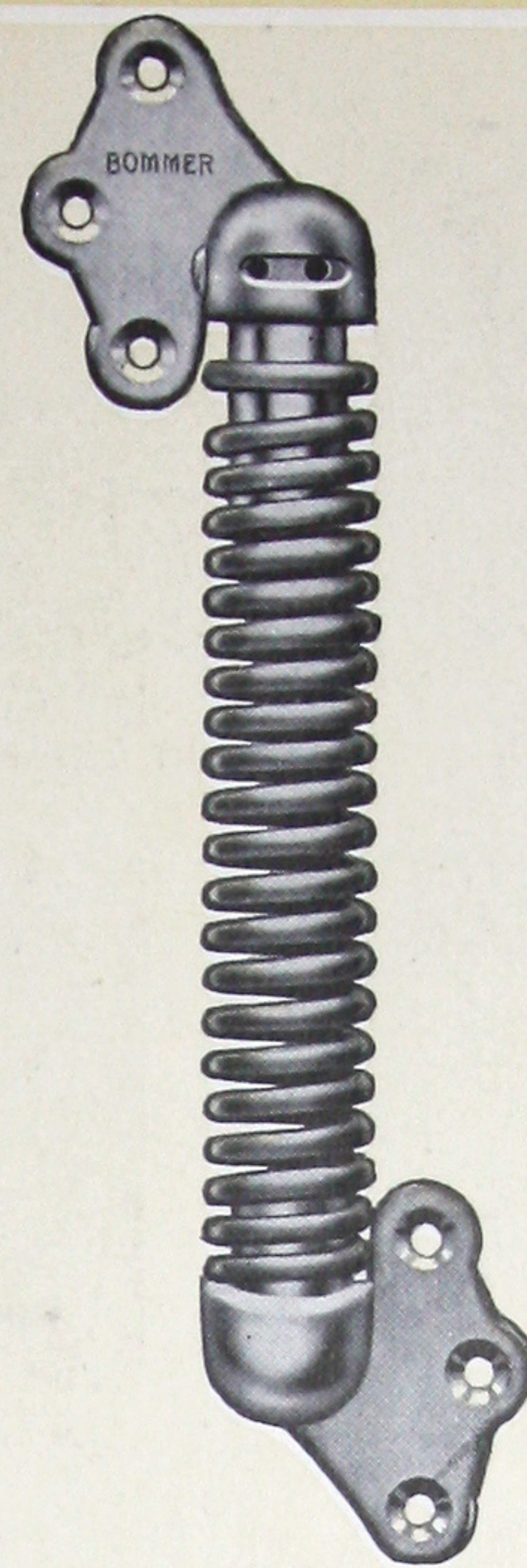
They are sold completely assembled; the parts cannot become separated from each other; the coil springs are made of high-grade steel wire; the tension is adjustable and can be conveniently regulated after the door spring is in place on the door by the aid of a wire nail or rod; no wrenches, levers or special tools are required.

The 13 and 14 inch sizes, style 2400, have two screw-holes in both ends.

To avoid errors, order by number.

Style 2400. Steel Springs, Iron Heads

Length over all	Japanned bright black		Bronze plated		Antique copper mottled		Dull brass finish		Nickel plated	
	No.	Per gross	No.	Per doz.	No.	Per doz.	No.	Per doz.	No.	Per doz.
9 inches	2400	\$ 43.70	2401	\$12.60	2402	\$12.60	2403	\$12.60	2404	\$14.20
10 inches	2400½	55.60	2401½	14.70	2402½	14.70	2403½	14.70	2404½	16.10
11 inches	2410	67.40	2411	16.70	2412	16.70	2413	16.70	2414	18.40
12 inches	2420	86.80	2421	18.80	2422	18.80	2423	18.80	2424	20.50
13 inches	2430	98.60	2431	20.80	2432	20.80	2433	20.80	2434	22.90
14 inches	2440	130.50	2441	25.40	2442	25.40	2443	25.40	2444	28.00



Style 2500

Style 2500. Steel Springs, Iron Heads

Length over all	Japanned bright black		Japanned ends Nickeled springs		Bronze plated		Antique copper mottled		Dull brass finish		Nickel plated	
	No.	Per gross	No.	Per gross	No.	Per doz.	No.	Per doz.	No.	Per doz.	No.	Per doz.
7 inches	2500	\$ 52.80	2500A	\$ 79.20	2501	\$14.50	2502	\$14.50	2503	\$14.50	2504	\$16.00
8 inches	2510	71.30	2510A	110.90	2511	19.60	2512	19.60	2513	19.60	2514	21.60
10 inches	2520	110.90	2520A	158.40	2521	30.60	2522	30.60	2523	30.60	2524	33.70

Japanned door springs are packed without screws. Only door springs in plated finishes are packed with screws. Instructions for applying in each package.

9, 10, 11 and 12 inch sizes style 2400 and 7 inch size style 2500, are packed one dozen in a box; 13 and 14 inch sizes style 2400 and 8 and 10 inch sizes style 2500, are packed half dozen in a box.

For cast bronze or brass heads and brass springs highly polished with screws complete add 50% to list price of bronze plated.

If door springs with wrought metal heads are wanted, double above prices.

Bommer Non-Sagging Spring-Pivots for Office Gates

These office gate spring-pivots are suitable for either double acting or single acting gates, no need for cutting out or mortising gate or doorpost, although they can be mortised if so preferred. They are adapted to either wood or metal gates and railings. Easy to apply, save labor, and allow close fitting. Workmanship and finish unsurpassed.

Planished Steel

Maximum width hand-rail	Thickness of gate	Japanned dead black		Bronze plated or Brass plated (state which)		Antique copper or Statuary finish (state which)		Dull brass or Antique brass (state which)		Nickel plated	
		No.	Per set	No.	Per set	No.	Per set	No.	Per set	No.	Per set
2½ in.	1⅛ to 2½ in.	11	\$5.40	461	\$8.10	311	\$8.10	611	\$8.10	861	\$9.60

Bronze or Brass

Maximum width hand-rail	Thickness of gate	Highly polished Bronze		Highly polished Brass		Antique copper or Statuary finish (state which)		Dull brass or Antique brass (state which)		Nickel plated	
		No.	Per set	No.	Per set	No.	Per set	No.	Per set	No.	Per set
2½ in.	1⅛ to 2½ in.	111	\$13.50	111A	\$13.50	411	\$15.00	711	\$15.00	811	\$15.00

Packed complete, one set in a box, with screws to match the finish, and instructions for applying.

All prices are quoted f. o. b. New York in dollars (\$) of the United States of America in New York City. Telegraph code and conditions of sale on page 20. Table of weights, page 19.

Repair Parts for Bommer Spring Hinges and Spring Pivots

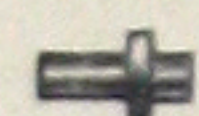
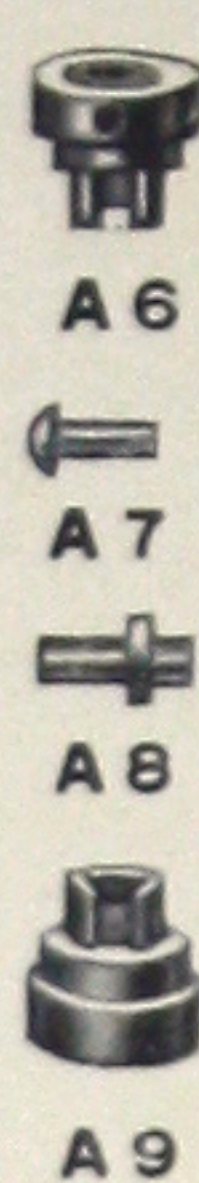
For prices see opposite page

To avoid errors, order the part wanted by its number and state size of hinge and which finish is desired.

Spring Butt Hinges

When ordering springs for old model double action spring butt hinges, state if right hand or left hand spring is wanted.

Double Action

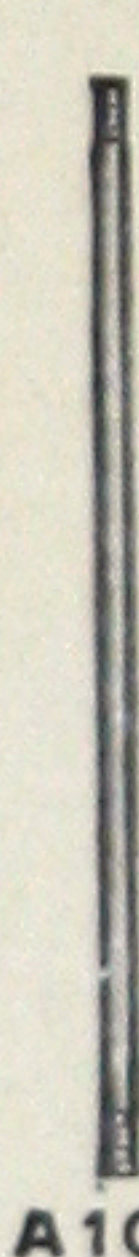
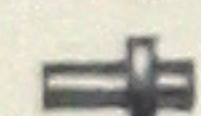
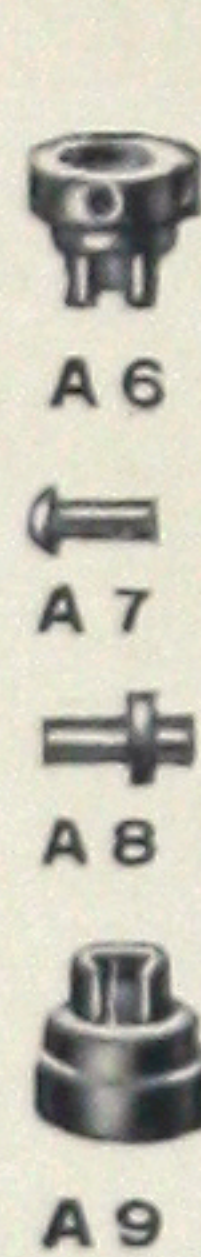
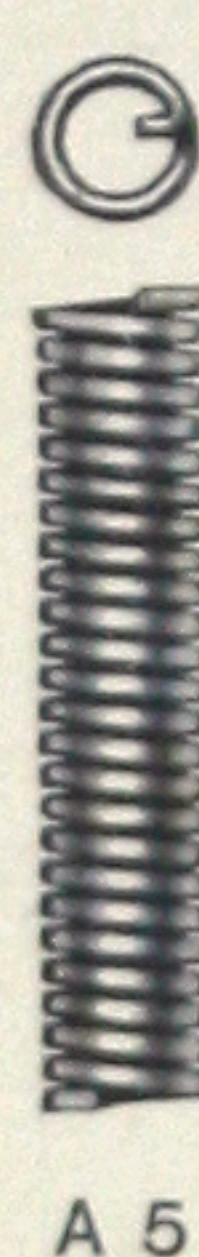
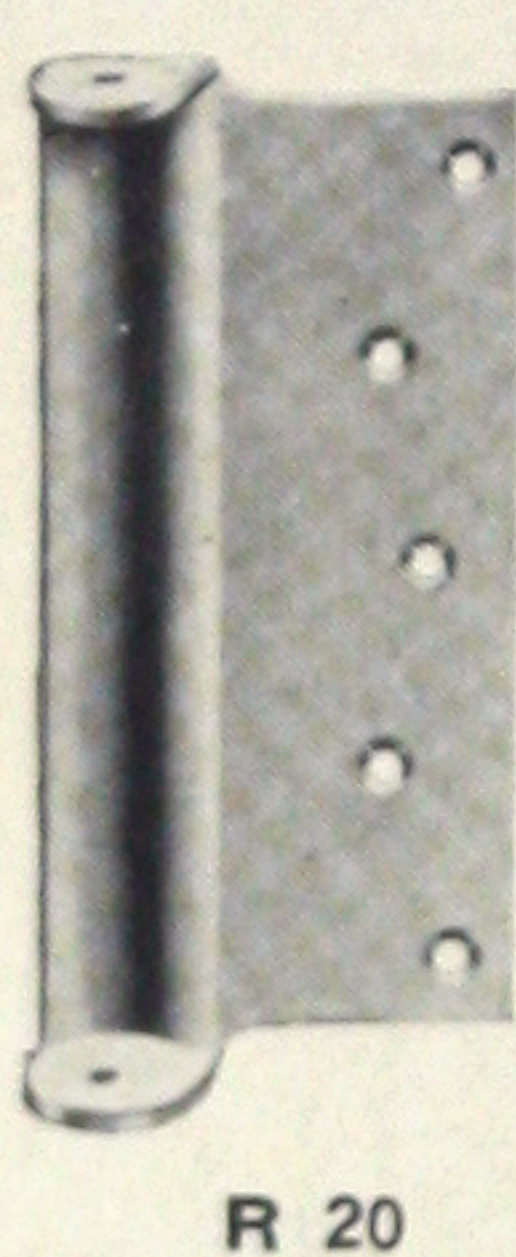


Single Action

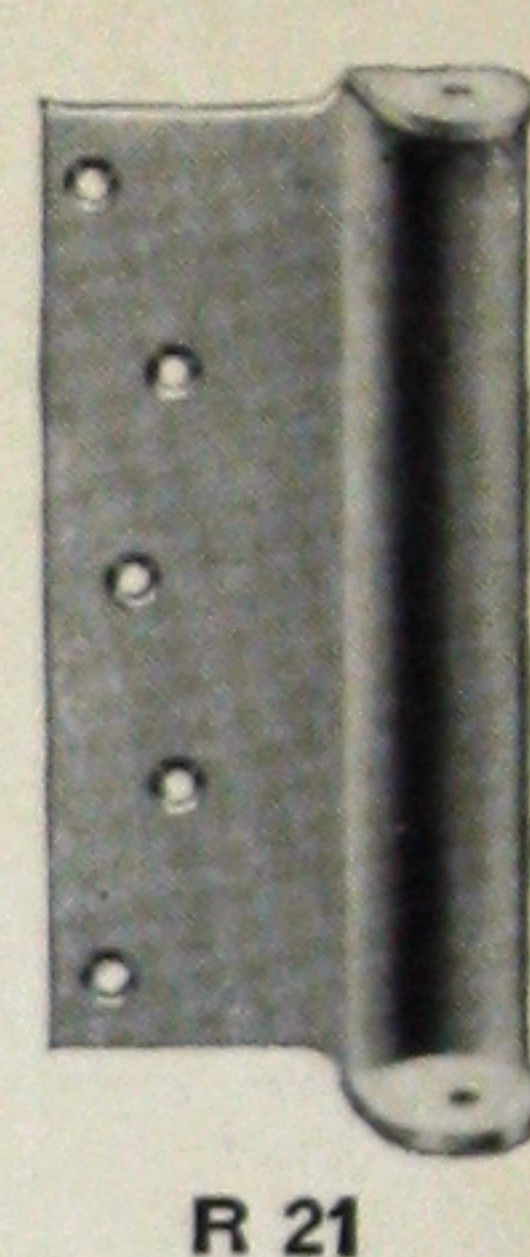


Ever Ready Spring Hinges

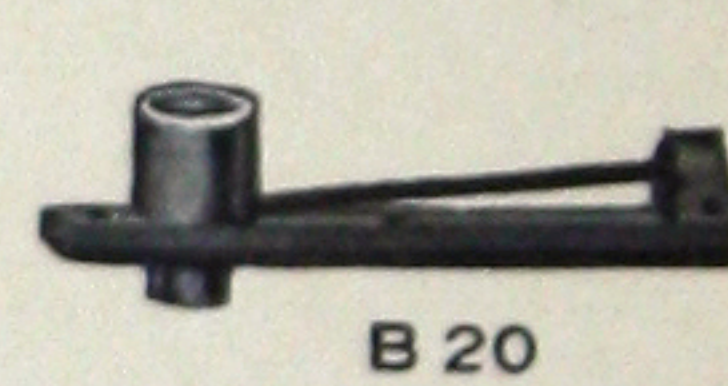
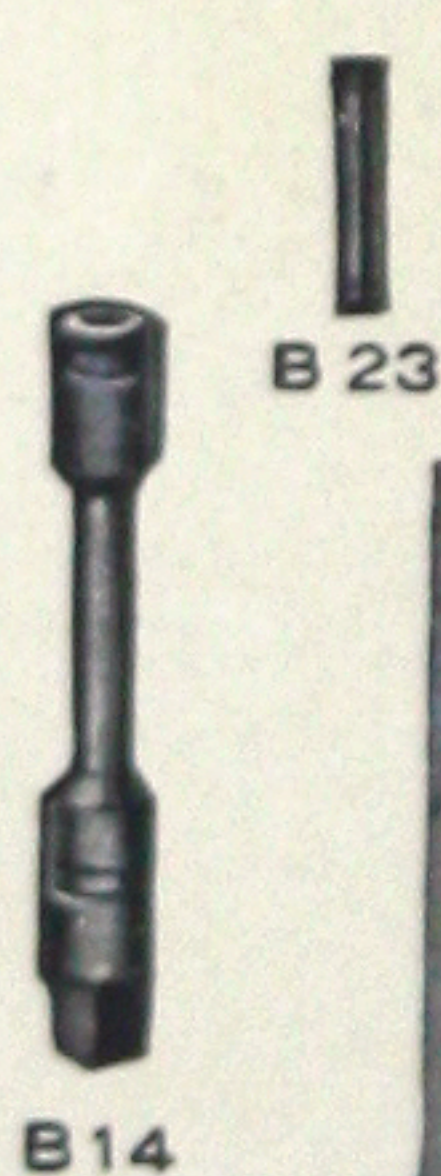
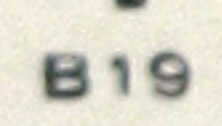
Double Action



Single Action



Vertical Spring Pivots



Bommer Spring Hinges have received the

Highest Awards at International Expositions

Don't err in judgment when buying spring hinges, as they have to perform the hardest work of any article in the line of builders hardware.

While carrying the weight of the door and suffering the wear and friction ordinarily imposed upon a common hinge, spring hinges must besides automatically close the door.

Bommer Spring Hinges always give satisfaction, and have withstood the test of time. They are made of wrought steel, brass or bronze.

"Practically Unbreakable,"

says the World's Fair Award, Chicago, 1893

Prices of Parts for Bommer Spring Hinges and Spring Pivots

Illustrated on opposite page

To avoid errors, order the part wanted by its number and state size of hinge and which finish is desired.
When ordering springs for old model double action spring butt hinges, state if right or left hand spring is wanted.

Double Action Spring Butt Hinges, three leaf type

Size of hinge	A 1	A 3	A 5	A 6	A 7	A 8	A 9	A 10	A 11	A 12
3 inch	\$0.44	\$1.00	\$0.34	\$0.32	\$0.04	\$0.04	\$0.22	\$0.10	\$0.22	\$0.10
4 inch	.52	1.22	.40	.36	.04	.04	.24	.10	.22	.20
5 inch	.64	1.50	.48	.36	.04	.04	.28	.12	.24	.28
6 inch	.84	1.82	.52	.50	.08	.08	.36	.14	.26	.36
7 inch	1.24	2.58	.62	.66	.08	.08	.40	.14	.30	.40
8 inch	2.12	3.74	.80	.92	.12	.12	.58	.18	.36	.56
10 inch	3.44	5.44	1.06	1.12	.18	.18	.74	.24	.40	.62
12 inch	4.74	8.16	1.66	1.28	.24	.24	.86	.26	.44	.68

Single Action Spring Butt Hinges

Size of hinge	A 5	A 6	A 7	A 8	A 9	A 10	A 11	A 12	A 14	A 16
3 inch	\$0.34	\$0.32	\$0.04	\$0.04	\$0.22	\$0.10	\$0.22	\$0.10	\$0.44	\$0.60
4 inch	.40	.36	.04	.04	.24	.10	.22	.20	.52	.74
5 inch	.48	.36	.04	.04	.28	.12	.24	.28	.64	.90
6 inch	.52	.50	.08	.08	.36	.14	.26	.36	.84	1.10
7 inch	.62	.66	.08	.08	.40	.14	.30	.40	1.24	1.54
8 inch	.80	.92	.12	.12	.58	.18	.36	.56	2.12	2.24
10 inch	1.06	1.12	.18	.18	.74	.24	.40	.62	3.44	3.26
12 inch	1.66	1.28	.24	.24	.86	.26	.44	.68	4.74	4.90

Ever Ready Double Action Spring Hinges

Size of hinge	A 5	A 6	A 7	A 8	A 9	A 10	A 11	A 12	R 18	R 19	R 20
3 inch	\$0.34	\$0.32	\$0.04	\$0.04	\$0.22	\$0.10	\$0.22	\$0.10	\$0.44	\$1.00	\$0.44
4 inch	.40	.36	.04	.04	.24	.10	.22	.20	.52	1.22	.52
5 inch	.48	.36	.04	.04	.28	.12	.24	.28	.64	1.50	.64
6 inch	.52	.50	.08	.08	.36	.14	.26	.36	.84	1.82	.84
7 inch	.62	.66	.08	.08	.40	.14	.30	.40	1.24	2.58	1.24
8 inch	.80	.92	.12	.12	.58	.18	.36	.56	2.12	3.74	2.12

Ever Ready Single Action Spring Hinges

Size of hinge	A 5	A 6	A 7	A 8	A 9	A 10	A 11	A 12	R 21	R 22
3 inch	\$0.34	\$0.32	\$0.04	\$0.04	\$0.22	\$0.10	\$0.22	\$0.10	\$0.44	\$0.60
4 inch	.40	.36	.04	.04	.24	.10	.22	.20	.52	.74
5 inch	.48	.36	.04	.04	.28	.12	.24	.28	.64	.90
6 inch	.52	.50	.08	.08	.36	.14	.26	.36	.84	1.10
7 inch	.62	.66	.08	.08	.40	.14	.30	.40	1.24	1.54
8 inch	.80	.92	.12	.12	.58	.18	.36	.56	2.12	2.24

Vertical Spring Pivots

Size of pivot	B 13	B 14	B 15	B 16	B 17	B 18	B 19	B 20	B 21	B 23 B 29	B 24 B 25
No. 10	\$0.68	\$0.80	\$0.56	\$1.50	\$0.44	\$0.86	\$0.68	\$0.68	\$0.44	\$0.04	\$0.72
No. 12	1.00	1.08	.86	2.38	.64	1.16	1.00	1.00	.66	.08	1.00
No. 14	1.98	2.06	1.72	4.72	1.30	2.34	1.98	1.98	1.30	.12	2.00

For exposed parts japanned, no extra charge; for exposed parts plated on steel, add 25%; for exposed parts in solid bronze or brass metal, triple above prices; for exposed parts plated on solid brass, add 10% to price of solid brass. 25 cents net is the minimum charge. Mail or express charges are additional. Goods returned for repairs or for refinishing will have prompt attention; actual time, material and parts needed will be charged. All parts showing defects in material or workmanship will be replaced free of charge if promptly returned.

All prices are quoted in dollars (\$) of the United States of America in New York City.

Table of Weights

Spring Butt Hinges			Ever Ready			Screen Door Hinges			Door Springs	
Length of flanges	Weight per pair, packed complete with screws		Length of flanges	Weight per pair, packed complete with screws		Style 2000—One pair, with screws, complete, 1 1/3 lbs. Style 2100—One pair, with screws, complete, 1 1/4 lbs. Style 2200—One pair, with screws, complete, 1 1/4 lbs. Style 920—One pair, with screws, complete, 3/4 lb. Style 900—One dozen pairs, without screws, 7 lbs. Style 960—One dozen pairs, without screws, 7 3/8 lbs. Style 970—One dozen pairs, without screws, 7 1/2 lbs.			Weight per gross without screws	
	Double Action	Single Action		Double Action	Single Action	Screen Door Sets			No.	Weight
3 in.	2 3/8 lbs	1 1/8 lbs	3 in.	2 1/2 lbs	1 1/8 lbs.	Style 1900—One dozen sets complete, 9 1/8 lbs. Style 1960—One dozen sets complete, 9 1/8 lbs.			" 2400 1/2	81 lbs.
4 "	3 5/8 "	1 7/8 "	4 "	3 7/8 "	1 7/8 "	Spring Pivots			" 2410	107 1/2 "
5 "	5 1/2 "	2 7/8 "	5 "	5 5/8 "	2 7/8 "	Weight per set complete			" 2420	127 3/4 "
6 "	8 "	4 1/4 "	6 "	8 3/8 "	4 1/4 "	Door Pulls			" 2430	135 3/4 "
7 "	10 7/8 "	6 1/4 "	7 "	11 1/4 "	6 1/4 "	Style No. 1980			" 2440	186 "
8 "	16 "	8 7/8 "	8 "	16 5/8 "	8 7/8 "	Weight per gross without screws 6 1/4 lbs.			" 2500	262 "
10 "	23 "	11 3/4 "				with screws 7 lbs.			" 2510	96 3/4 "
12 "	35 "	17 1/2 "				Door Holder			" 2520	171 "
						Weight per dozen				255 "
						No. 1600, 7 1/2 lbs.			For other finishes with screws style 2400 add 5% style 2500 add 10% to the above Weights	

Above weights include the cartons but not the packing case.

To figure gross weights including packing case, add 10% to above weights.

Registered Telegraph and Cable Address: "Bommer, Brooklyn"

Bommer Spring Hinges

Private Telegraph Code

Standard Finishes

Liebers, ABC (fifth and sixth edition), and Bentley's codes also used in connection.

When ordering Bommer Spring Hinges, *state the quantity desired, but do not say pairs, or sets*, as that is understood.

EXAMPLES:—One pair 6-inch double action Planished Steel Japanned No. 36—*abant*.

One pair 6-inch single action Planished Steel Antique Copper Finish No. 309—*adoni*.

One gross door springs 11-inch, No. 2410, extra heavy, Japanned—*rabel*.

One dozen pairs screen door hinges, detachable, wrought steel Japanned No. 960—*yambo*.

For brass plated or solid brass instead of bronze, add suffix letter "y" to the code word for bronze, thus:

One pair 6-inch double action bronze plated on steel No. 486—*acant*. Brass plated—*acanty*.

One pair 6-inch double action solid bronze No. 136—*cabid*. Solid brass—*cabidy*.

PLANISHED STEEL					SOLID BRONZE			
Japanned dead black	Bronze plated	Antique copper plated	Dull Brass plated	Nickel plated	Highly polished	Antique copper finish	Dull Brass finish	Nickel plated
CODE WORDS FOR DOUBLE ACTION (page 5). FOR EVER READY (page 9)					add suffix "er" to proper code word			
29 ababa	479 acaci	329 adagi	629 agall	879 amado	129 cabac	429 cebad	729 chaca	829 cobil
30 abaco	480 acali	330 adala	630 agapa	880 amar	130 cabal	430 cebon	730 chach	830 cobra
33 abade	483 acana	333 adali	633 agata	883 amasa	133 caber	433 cebra	733 chacr	833 cocar
36 abant	486 acant	336 adama	636 agear	886 ambar	136 cabid	436 cecha	736 chafa	836 cocha
39 abarc	489 acara	339 adarc	639 ageno	889 ambig	139 cabra	439 cedaz	739 chala	839 cocle
42 abast	492 acebo	342 adarg	642 agest	892 amble	142 cabuy	442 cedro	742 chanz	842 codal
45 abedu	495 acech	345 adarv	645 agiac	895 amebe	145 cacer	445 cefal	745 chapi	845 codon
48 abeto	498 acelg	348 adelf	648 agnad	898 amelg	148 cacle	448 ceiba	748 charc	848 coeve
38 abism	488 acepa	338 adeno	638 agola	888 amelo	138 cadet	438 cenda	738 charr	838 cofia
CODE WORDS FOR SINGLE ACTION (page 7). FOR EVER READY (page 11)					add suffix "er" to proper code word			
0 abita	450 acera	300 aderr	600 agote	850 ameno	100 cadmi	400 cenit	700 chasc	800 cofre
1 ablan	451 acerb	301 adnat	601 agraz	851 amios	101 cadoc	401 cepit	701 chata	801 cohoh
5 abono	455 acial	305 adobe	605 agret	855 amigo	105 cafil	405 cepon	705 chern	805 coime
9 aboca	459 aciha	309 adoni	609 agria	859 amito	109 cahiz	409 cerch	709 chiar	809 cojin
13 aboya	463 acidi	313 adora	613 agrio	863 amola	113 caido	413 cerci	713 chiba	813 colar
17 abraz	467 acoda	317 aduar	617 agrur	867 amomo	117 caiqu	417 cerda	717 chibi	817 coleo
21 abreg	471 acodo	321 adufe	621 aguad	871 amore	121 calad	421 ceroy	721 chibo	821 colla
25 abroj	475 acore	325 adula	625 aguag	875 amplo	125 calam	425 cervia	725 chifl	825 colmo
7 abura	457 acuos	307 adust	607 aguar	857 amura	107 calde	407 cetis	707 chisp	807 colon
VERTICAL SPRING PIVOTS								
10 habon	460 hegir	310 hiant	610 hila	860 hopal	110 macac	410 meaja	710 micho	810 moble
12 hacho	462 helic	312 hiat	612 hilad	862 hopeo	112 macan	412 meauc	712 micer	812 mocho
14 halag	464 hemin	314 hidra	614 hilar	864 hoque	114 macer	414 meder	714 mielg	814 modal
HORIZONTAL SPRING PIVOTS								
15 efeta	465 elami	315 embat	615 embud	865 epico	115 obelo	415 oblon	715 ocrot	815 oenas
16 efica	466 elato	316 ember	616 emelg	866 epoca	116 obice	416 obolo	716 octav	816 oeste
DOOR SPRINGS								
2400 raban	2401 ramar	2402 rapta	2403 recel	2404 refez	2405 ribes	2407 roano	2408 rogar	2409 ruano
2400½ rabaz	2401½ ramad	2402½ rapos	2403½ recha	2404½ refin	2405½ ricaz	2407½ robal	2408½ roido	2409½ rubin
2410 rabel	2411 ramal	2412 raque	2413 recio	2414 regar	2415 riego	2417 robda	2418 rojez	2419 rubio
2420 raber	2421 ramon	2422 rasar	2423 recle	2424 regio	2425 rifar	2427 robin	2428 rolla	2429 rubor
2430 rabud	2431 rampa	2432 rasco	2433 recre	2434 regir	2435 rifeo	2437 roble	2438 ronice	2439 rueca
2500 racio	2501 randa	2502 rasel	2503 recua	2504 regla	2505 rigor	2507 robra	2508 ropon	2509 rumbo
2510 rader	2511 rango	2512 raspa	2513 redil	2514 rejon	2515 rimar	2517 roclo	2518 rorro	2519 rupia
2520 radio	2521 raniz	2522 rateo	2523 redro	2524 relex	2525 rinon	2527 rodeo	2528 rosar	2529 rusco
SCREEN DOOR HINGES								
900 yacte	901 yacer	902 yedra	903 yerto	904 yugro				
920 yacul	921 yagre	922 yegua	923 yervo	924 yugal				
960 yambo	961 yarbo	962 yelmo	963 yesca	964 yugur				
970 yarav	971 yanta	972 yente	973 yesgo	974 yungi				
2000 yermo	2001 yarda	2002 yerba	2003 yeson	2004 yusar	2010 vacio	2011 vello	2012 vireo	2013 vocal
2100 yesal	2101 yarey	2102 yerno	2103 yogar	2104 yusio	2110 valar	2111 velon	2112 virus	2113 voleo
2200 yeser	2201 yedgo	2202 yerro	2203 yunto	2204 yusor	2210 valsa	2211 venda	2212 visal	2213 vosco
SCREEN DOOR SETS								
1900 yugad	1901 yaroc	1902 yeloe	1903 yeron	1904 yerum				
1960 yunqu	1961 yecor	1962 yemao	1963 yoler	1964 yerre				
DOOR HOLDERS								
1600 ibiso	1601 ibice	1602 icaco	1603 ideal	1604 igneo	1610 idilo	1611 ijada	1612 iluso	1613 impia
DOOR PULLS								
1980 inbab	1981 india	1982 indol	1983 ingle	1984 inico				
USEFUL SENTENCES								
Send at once by parcel post.....	zabid	Your order has already been shipped.....						
Ship at once by express.....	zafar	We can ship from stock immediately.....						
Ship at once by fast freight.....	zagal	We can ship in about three days.....						
Ship by first steamer.....	zaida	We can ship in about one week.....						
Answer by telegraph how soon can you ship.....	zambo	We can ship in about two weeks.....						
Ship what you have immediately, and hurry balance.....	zandi	We can ship part immediately, balance in three days.....						
Start tracer immediately after your shipment of.....	zanjo	We can ship part immediately, balance in one week.....						
Add to our order the following items.....	zapot	We can ship part immediately, balance in two weeks.....						
Answer by telegraph price of.....	zapuz	We will try to ship sooner, but cannot promise.....						

CONDITIONS OF SALE

All prices are quoted in dollars (\$) of the United States of America in the city of New York. All goods are shipped at buyers' risk. The goods are delivered free on board (f. o. b.) vessel, car or warehouse in New York City or Brooklyn. No charge is made for boxing if the order amounts to 400 lbs. or more in weight. We ship in strong wooden cases lined with so-called waterproof paper and metal strapped. The table of weights on page 19 enables the customer to estimate the shipping weight of his order.

Orders received through commission houses will have our best care and attention and will be invoiced at our lowest export prices.





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